Changes for the Better

MITSUBISHI ELECTRIC

SPLIT-TYPE AIR CONDITIONERS

OUTDOOR UNIT

SERVICE MANUAL

HFC utilized R410A

No. OBH687

Models

MXZ-2D52VA - A1

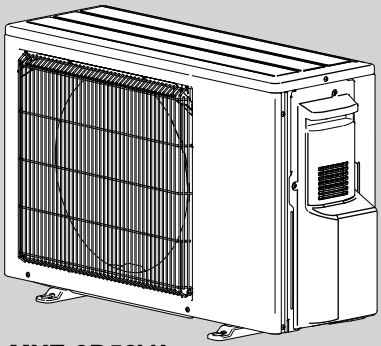
MXZ-3D54VA - A1

MXZ-4D71VA - A1

MXZ-4D80VA - A1

MXZ-5D100VA - A1

Indoor unit service manual
MSZ-FB•VA Series (OBH503)
MSZ-GA•VA Series (OB419)
MSZ-GE•VA Series (OBH531)
MFZ-KA•VA Series (OB410)
MFZ-KJ•VE Series
SLZ-KA•VA Series (OC320)
SEZ-KD•VA(L) Series (HWE07110)
PLA-RP•BA Series (OCH416)
PCA-RP•KA Series (OCH454)
PEA-RP•EA Series (OC326)



MXZ-2D52VA

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INDOOR UNITS COMBINATION SHEETS

NOTE:
RoHS compliant products have <G> mark on the spec name plate.

PARTS CATALOG (OBB687)

CE

Use the specified refrigerant only

Never use any refrigerant other than that specified.

Doing so may cause a burst, an explosion, or fire when the unit is being used, serviced, or disposed of.
Correct refrigerant is specified in the manuals and on the spec labels provided with our products.
We will not be held responsible for mechanical failure, system malfunction, unit breakdown or accidents caused by failure to follow the instructions.

<Preparation before the repair service>

- Prepare the proper tools.
- Prepare the proper protectors.
- Provide adequate ventilation.
- After stopping the operation of the air conditioner, turn off the power-supply breaker and remove the power plug.
- Discharge the capacitor before the work involving the electric parts.

<Precautions during the repair service>

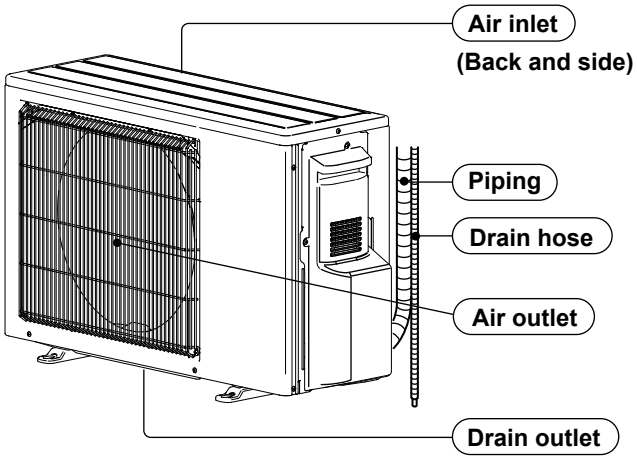
- Do not perform the work involving the electric parts with wet hands.
- Do not pour water into the electric parts.
- Do not touch the refrigerant.
- Do not touch the hot or cold areas in the refrigeration cycle.
- When the repair or the inspection of the circuit needs to be done without turning off the power, exercise great caution not to touch the live parts.

1 TECHNICAL CHANGES

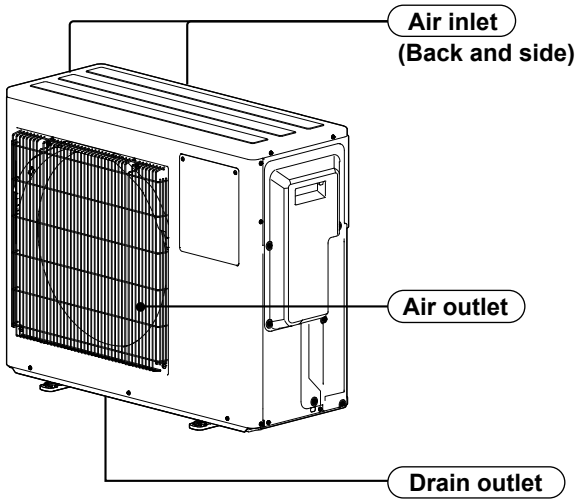
MXZ-2D52VA -A1
MXZ-3D54VA -A1
MXZ-4D71VA -A1
MXZ-4D80VA -A1
MXZ-5D100VA -A1
1. New model

2 PART NAMES AND FUNCTIONS

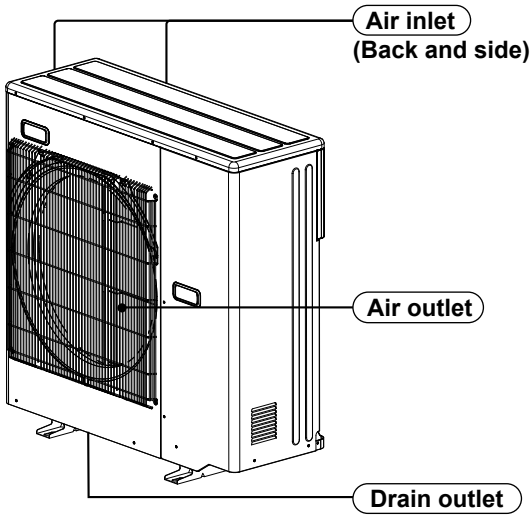
MXZ-2D52VA



MXZ-3D54VA
MXZ-4D71VA



MXZ-4D80VA
MXZ-5D100VA



ACCESSORIES

Model		MXZ-2D52VA MXZ-4D80VA MXZ-5D100VA	MXZ-3D54VA MXZ-4D71VA
①	Drain socket	1	1
②	Drain cap		2

3 SPECIFICATION

	Outdoor model		**MXZ-2D52VA**	
	Outdoor unit power supply		Single phase 230 V, 50 Hz	
System	Indoor units number		2	
	Piping total length	m	Max. 30	
	Connecting pipe length	m	Max. 20	
	Height difference (Indoor ~ Outdoor)	m	Refer to 7 REFRIGERANT SYSTEM DIAGRAM.	
	Height difference (Indoor ~ Indoor)	m	Refer to 7 REFRIGERANT SYSTEM DIAGRAM.	
	Function		Cooling	Heating
	Capacity Rated frequency (Min.-Max.)	kW	5.2 (1.1 - 6.0)	6.1 (1.0 - 7.0)
	Breaker capacity	A	15	
Electrical data	Power input (Total) ✻1	W	1,400	1,590
	Running current (Total) ✻1	A	6.3	7.1
	Power factor (Total) ✻1	%	97	
	Starting current (Total) ✻1	A	7.1	
Coefficient of performance (C.O.P) (Total) ✻1			3.71	3.84
Compressor	Model		SNB130FGBHT	
	Output	W	1,400	
	Current ✻1	A	5.94	6.78
	Refrigeration oil (Model)	L	0.45 (NEO22)	
Fan motor	Model		RC0J50-FA	
	Current ✻1	A	0.21	
	Dimensions W x H x D	mm	800 x 550 x 285	
	Weight	kg	37	
Special remarks	Air flow (Rated)	m^3 /h	1,890	1,914
	Sound level (Rated)	dB(A)	50	53
	Fan speed (Rated)	rpm	900	910
	Refrigerant filling capacity (R410A)	kg	1.3	

NOTE: Test conditions are based on AS/NZS3823.1.1. (Refrigerant piping length (one way): 7.5 m)
✻1 Measured under rated operating frequency.

COOLING	INDOOR	Dry-bulb temperature	27.0°C	Wet-bulb temperature	19.0°C
	OUTDOOR	Dry-bulb temperature	35.0°C	Wet-bulb temperature	24.0°C
HEATING	INDOOR	Dry-bulb temperature	20.0°C		
	OUTDOOR	Dry-bulb temperature	7.0°C	Wet-bulb temperature	6.0°C

	Outdoor model		**MXZ-3D54VA**	
	Outdoor unit power supply		Single phase 230 V, 50 Hz	
System	Indoor units number		2 to 3	
	Piping total length	m	Max. 50	
	Connecting pipe length	m	Max. 25	
	Height difference (Indoor ~ Outdoor)	m	Refer to 7 REFRIGERANT SYSTEM DIAGRAM.	
	Height difference (Indoor ~ Indoor)	m	Refer to 7 REFRIGERANT SYSTEM DIAGRAM.	
	Function		Cooling	Heating
	Capacity Rated frequency (Min.-Max.)	kW	5.4 (2.9 - 6.8)	7.0 (2.6 - 9.0)
	Breaker capacity	A	25	
Electrical data	Power input (Total) ✻1	W	1,250	1,610
	Running current (Total) ✻1	A	5.5	7.1
	Power factor (Total) ✻1	%	99	
	Starting current (Total) ✻1	A	7.1	
Coefficient of performance (C.O.P) (Total) ✻1			4.32	4.35
Compressor	Model		SNB130FGBH1T	
	Output	W	1,400	
	Current ✻1	A	5.15	6.65
	Refrigeration oil (Model)	L	0.7 (NEO22)	
Fan motor	Model		SIC-71FW-F764-1	
	Current ✻1	A	0.22	0.32
	Dimensions W x H x D	mm	840 x 710 x 330	
	Weight	kg	57	
Special remarks	Air flow (Rated)	m^3 /h	2,337	2,716
	Sound level (Rated)	dB(A)	50	53
	Fan speed (Rated)	rpm	650	740
	Refrigerant filling capacity (R410A)	kg	2.7	

NOTE: Test conditions are based on AS/NZS3823.1.1. (Refrigerant piping length (one way): 7.5 m)
✻1 Measured under rated operating frequency.

COOLING	INDOOR	Dry-bulb temperature	27.0°C	Wet-bulb temperature	19.0°C
	OUTDOOR	Dry-bulb temperature	35.0°C	Wet-bulb temperature	24.0°C
HEATING	INDOOR	Dry-bulb temperature	20.0°C		
	OUTDOOR	Dry-bulb temperature	7.0°C	Wet-bulb temperature	6.0°C

	Outdoor model		**MXZ-4D71VA**	
	Outdoor unit power supply		Single phase 230 V, 50 Hz	
System	Indoor units number		2 to 4	
	Piping total length	m	Max. 60	
	Connecting pipe length	m	Max. 25	
	Height difference (Indoor ~ Outdoor)	m	Refer to 7 REFRIGERANT SYSTEM DIAGRAM.	
	Height difference (Indoor ~ Indoor)	m	Refer to 7 REFRIGERANT SYSTEM DIAGRAM.	
	Function		Cooling	Heating
	Capacity Rated frequency (Min.-Max.)	kW	7.1 (3.7 - 8.8)	8.0 (3.4 - 10.7)
	Breaker capacity	A	25	
Electrical data	Power input (Total) ✻1	W	1,880	1,840
	Running current (Total) ✻1	A	8.3	8.1
	Power factor (Total) ✻1	%	99	
	Starting current (Total) ✻1	A	8.3	
Coefficient of performance (C.O.P) (Total) ✻1			3.78	4.35
Compressor	Model		SNB172FEGH1T	
	Output	W	2,000	
	Current ✻1	A	7.91	7.64
	Refrigeration oil (Model)	L	0.7 (NEO22)	
Fan motor	Model		SIC-71FW-F764-1	
	Current ✻1	A	0.22	0.34
	Dimensions W x H x D	mm	840 x 710 x 330	
	Weight	kg	58	
Special remarks	Air flow (Rated)	m^3 /h	2,337	2,801
	Sound level (Rated)	dB(A)	50	54
	Fan speed (Rated)	rpm	650	760
	Refrigerant filling capacity (R410A)	kg	2.7	

NOTE: Test conditions are based on AS/NZS3823.1.1. (Refrigerant piping length (one way): 7.5 m)
✻1 Measured under rated operating frequency.

COOLING	INDOOR	Dry-bulb temperature	27.0°C	Wet-bulb temperature	19.0°C
	OUTDOOR	Dry-bulb temperature	35.0°C	Wet-bulb temperature	24.0°C
HEATING	INDOOR	Dry-bulb temperature	20.0°C		
	OUTDOOR	Dry-bulb temperature	7.0°C	Wet-bulb temperature	6.0°C

	Outdoor model		**MXZ-4D80VA**	
	Outdoor unit power supply		Single phase 230 V, 50 Hz	
System	Indoor units number		2 to 4	
	Piping total length	m	Max. 70	
	Connecting pipe length	m	Max. 25	
	Height difference (Indoor ~ Outdoor)	m	Refer to 7 REFRIGERANT SYSTEM DIAGRAM.	
	Height difference (Indoor ~ Indoor)	m	Refer to 7 REFRIGERANT SYSTEM DIAGRAM.	
	Function		Cooling	Heating
	Capacity Rated frequency (Min.-Max.)	kW	8.0 (3.7 - 9.2)	8.8 (3.4 - 11.6)
	Breaker capacity	A	25	
Electrical data	Power input (Total) ✻1	W	2,070	2,130
	Running current (Total) ✻1	A	9.1	9.4
	Power factor (Total) ✻1	%	99	
	Starting current (Total) ✻1	A	9.4	
Coefficient of performance (C.O.P) (Total) ✻1			3.86	4.13
Compressor	Model		TNB220FMCH	
	Output	W	2,100	
	Current ✻1	A	8.54	8.89
	Refrigeration oil (Model)	L	0.87 (NEO22)	
Fan motor	Model		RC0J60-CC	
	Current ✻1	A	0.43	0.36
	Dimensions W x H x D	mm	900 x 915 x 320	
	Weight	kg	69	
Special remarks	Air flow (Rated)	m^3 /h	3,276	3,000
	Sound level (Rated)	dB(A)	51	51
	Fan speed (Rated)	rpm	760	700
	Refrigerant filling capacity (R410A)	kg	3.5	

NOTE: Test conditions are based on AS/NZS3823.1.1. (Refrigerant piping length (one way): 7.5 m)
✻1 Measured under rated operating frequency.

COOLING	INDOOR	Dry-bulb temperature	27.0°C	Wet-bulb temperature	19.0°C
	OUTDOOR	Dry-bulb temperature	35.0°C	Wet-bulb temperature	24.0°C
HEATING	INDOOR	Dry-bulb temperature	20.0°C		
	OUTDOOR	Dry-bulb temperature	7.0°C	Wet-bulb temperature	6.0°C

	Outdoor model		**MXZ-5D100VA**	
	Outdoor unit power supply		Single phase 230 V, 50 Hz	
System	Indoor units number		2 to 5	
	Piping total length	m	Max. 80	
	Connecting pipe length	m	Max. 25	
	Height difference (Indoor ~ Outdoor)	m	Refer to 7 REFRIGERANT SYSTEM DIAGRAM.	
	Height difference (Indoor ~ Indoor)	m	Refer to 7 REFRIGERANT SYSTEM DIAGRAM.	
	Function		Cooling	Heating
	Capacity Rated frequency (Min.-Max.)	kW	10.0 (3.9 - 11.0)	10.0 (4.1 - 14.0)
	Breaker capacity	A	25	
Electrical data	Power input (Total) ✻1	W	3,090	2,630
	Running current (Total) ✻1	A	13.6	11.6
	Power factor (Total) ✻1	%	99	
	Starting current (Total) ✻1	A	13.6	
Coefficient of performance (C.O.P) (Total) ✻1			3.24	3.80
Compressor	Model		TNB220FMCH	
	Output	W	2,700	
	Current ✻1	A	12.96	10.89
	Refrigeration oil (Model)	L	0.87 (NEO22)	
Fan motor	Model		RC0J60-CC	
	Current ✻1	A	0.49	0.56
	Dimensions W x H x D	mm	900 x 915 x 320	
	Weight	kg	70	
Special remarks	Air flow (Rated)	m^3 /h	3,505	3,781
	Sound level (Rated)	dB(A)	53	59
	Fan speed (Rated)	rpm	810	870
	Refrigerant filling capacity (R410A)	kg	4.0	

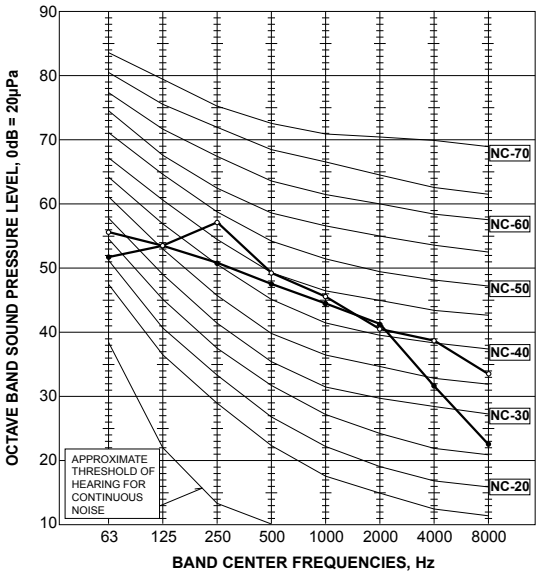
NOTE: Test conditions are based on AS/NZS3823.1.1. (Refrigerant piping length (one way): 7.5 m)
✻1 Measured under rated operating frequency.

COOLING	INDOOR	Dry-bulb temperature	27.0°C	Wet-bulb temperature	19.0°C
	OUTDOOR	Dry-bulb temperature	35.0°C	Wet-bulb temperature	24.0°C
HEATING	INDOOR	Dry-bulb temperature	20.0°C		
	OUTDOOR	Dry-bulb temperature	7.0°C	Wet-bulb temperature	6.0°C

4 NOISE CRITERIA CURVES

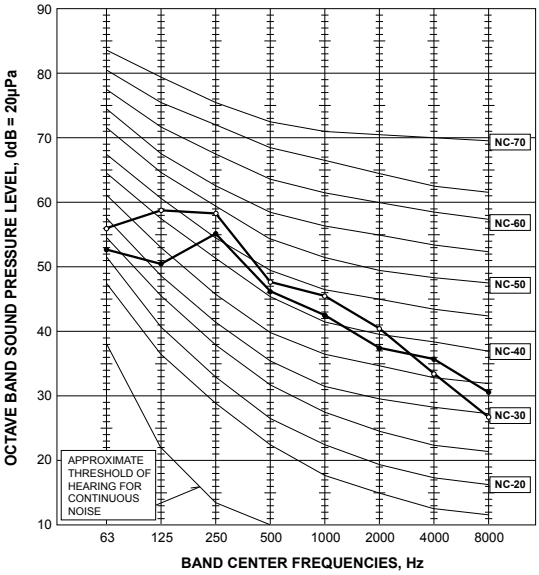
MXZ-2D52VA

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	50	●—●
High	Heating	53	○—○



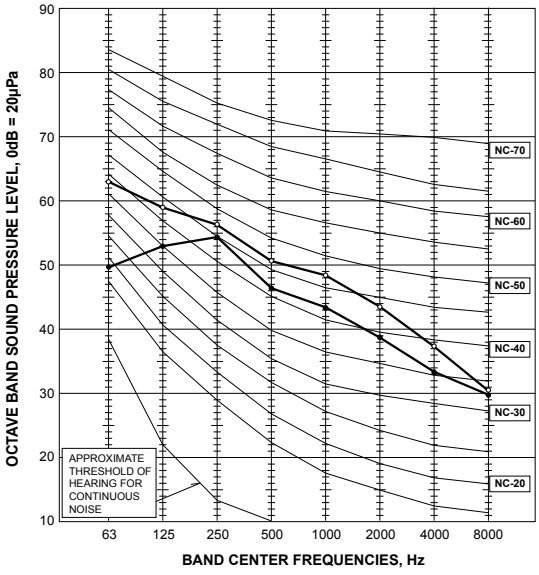
MXZ-3D54VA

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	50	●—●
High	Heating	53	○—○



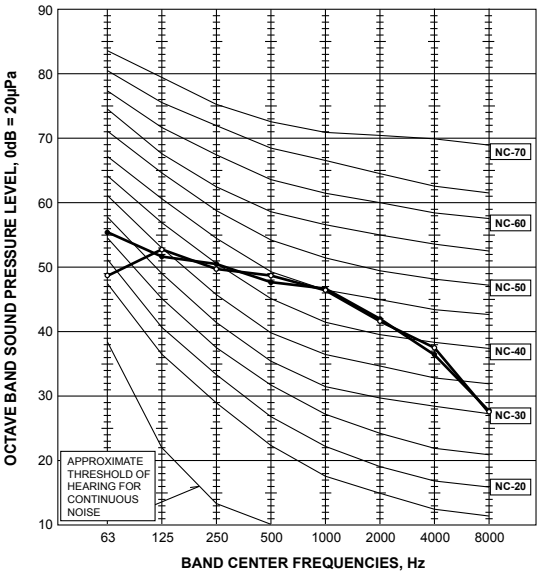
MXZ-4D71VA

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	50	●—●
High	Heating	54	○—○



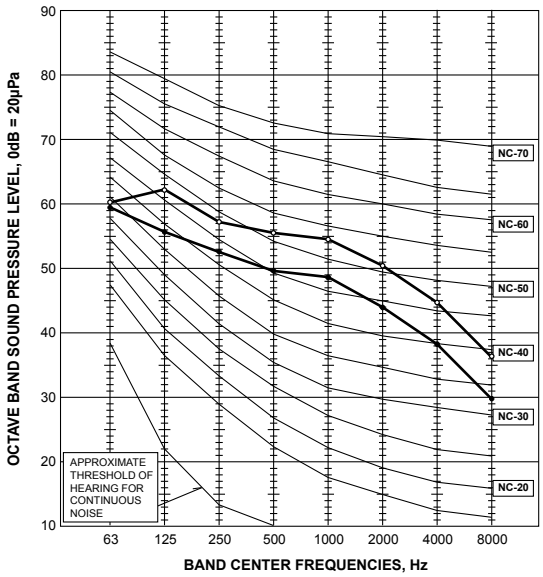
MXZ-4D80VA

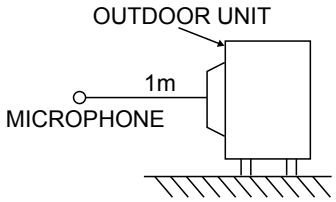
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	51	●—●
High	Heating	51	○—○



MXZ-5D100VA

FAN SPEED	FUNCTION	SPL($dB_{(A)}$)	LINE
High	Cooling	53	●—●
High	Heating	59	○—○



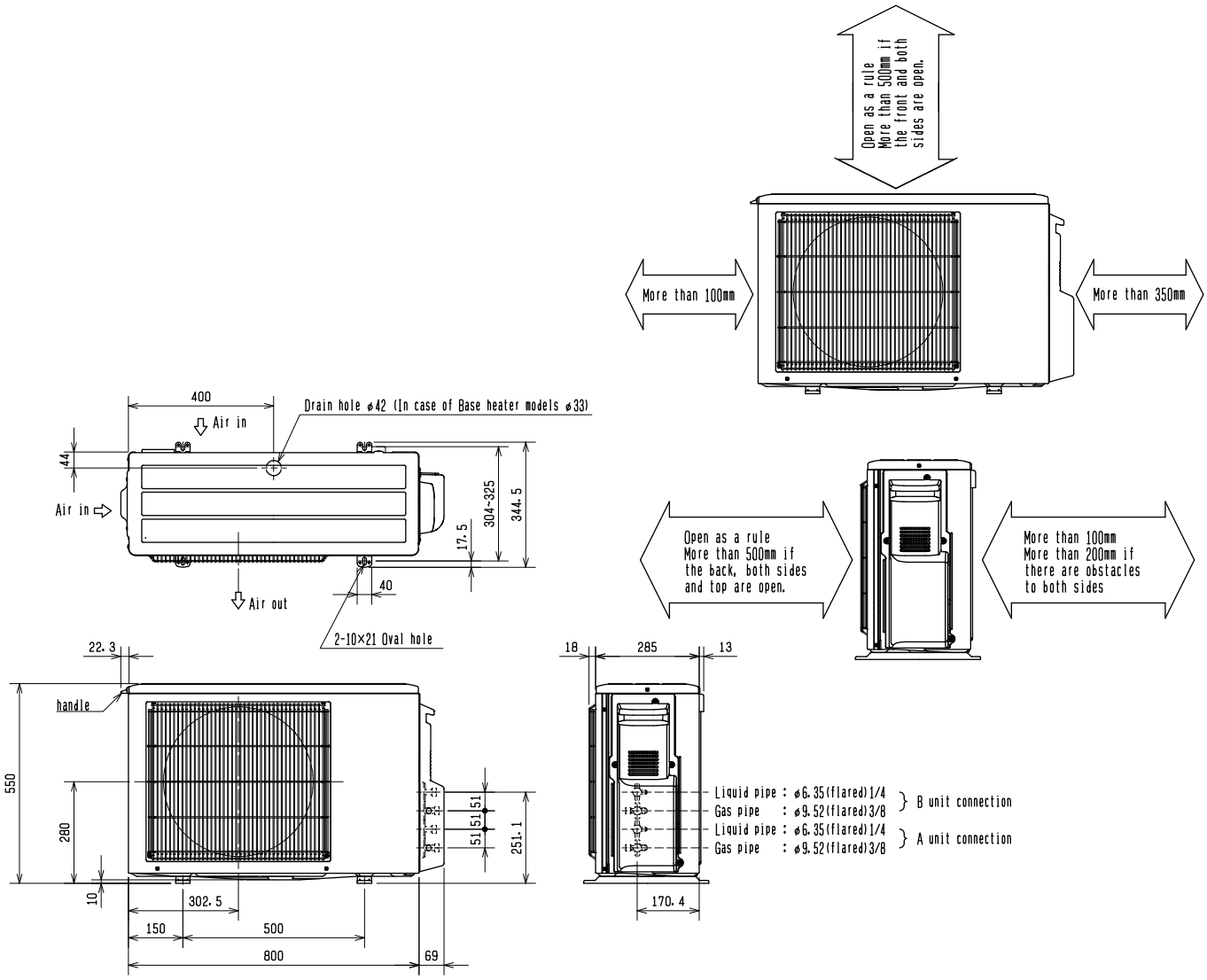


Test conditions
Cooling :Dry-bulb temperature 35°C Wet-bulb temperature 24°C
Heating :Dry-bulb temperature 7°C Wet-bulb temperature 6°C

5 OUTLINES AND DIMENSIONS

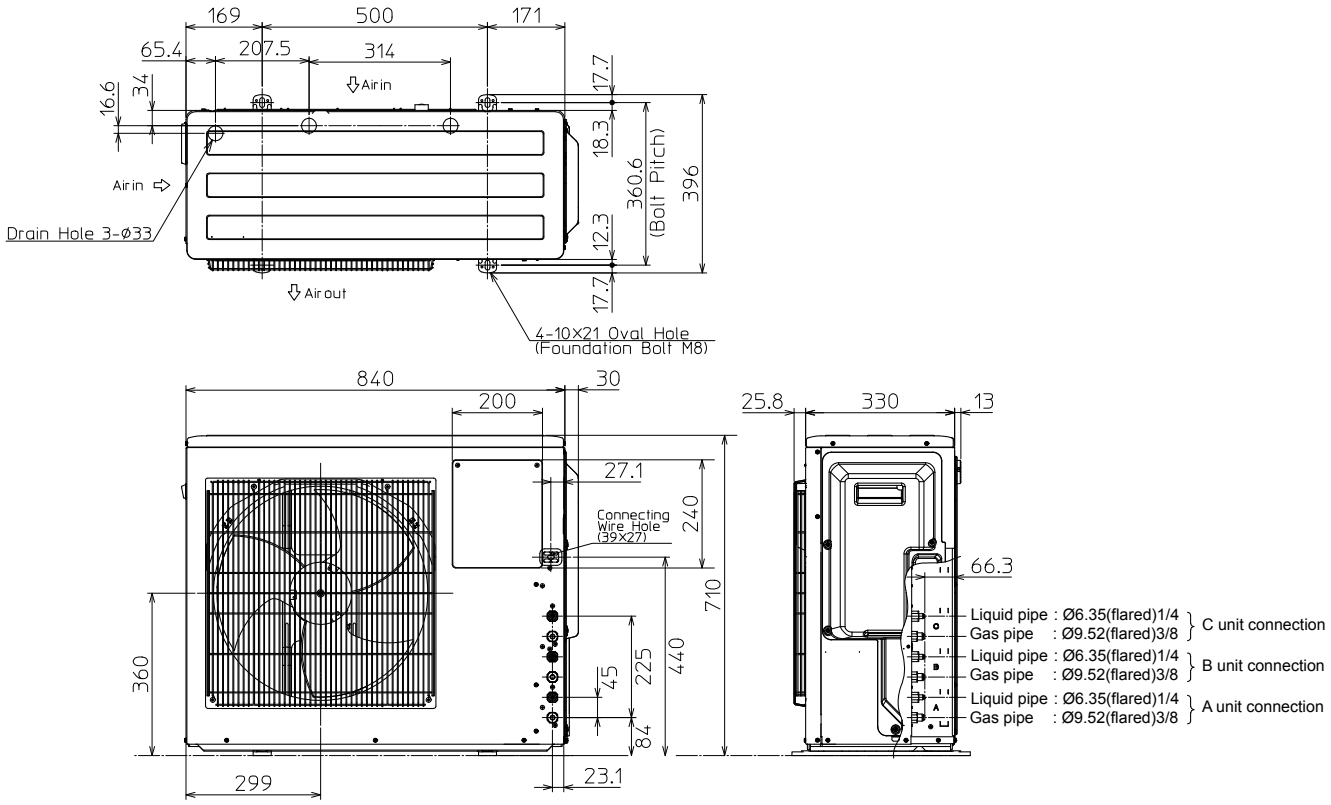
MXZ-2D52VA

Unit: mm



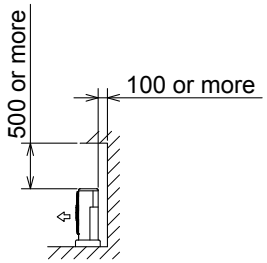
MXZ-3D54VA

Unit: mm

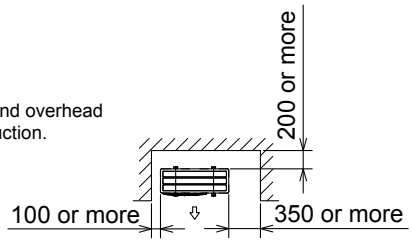


1.Installation space

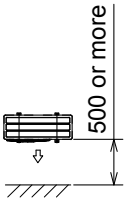
Note : Leave front and both sides free of obstruction.



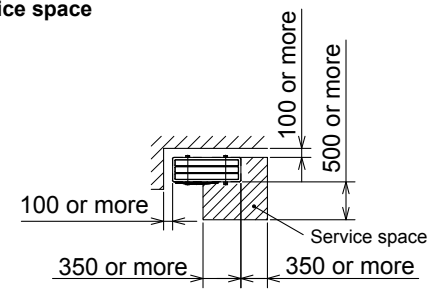
Note : Leave front and overhead free of obstruction.



Note : Leave rear, overhead and both sides free of obstruction.

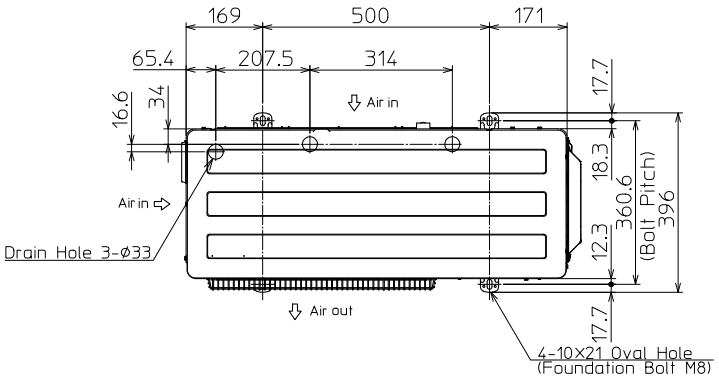


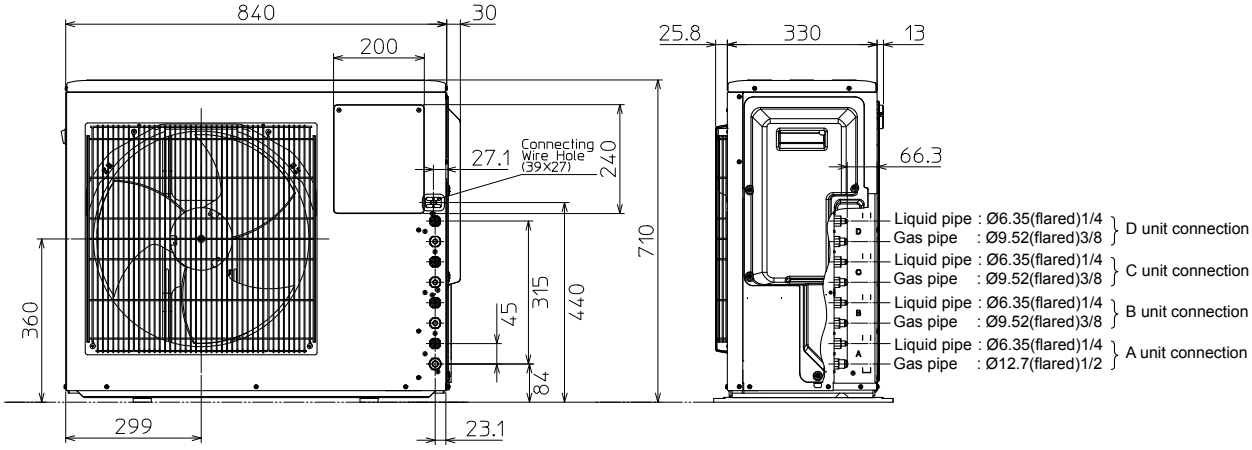
2.Service space



MXZ-4D71VA

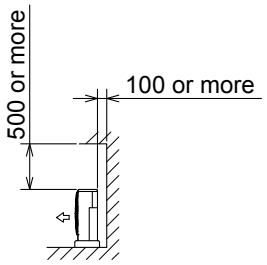
Unit: mm



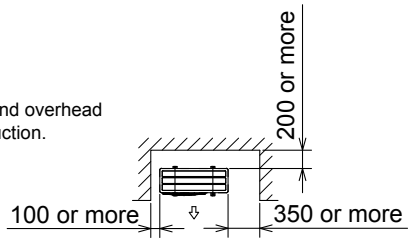


1.Installation space

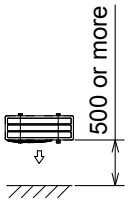
Note : Leave front and both sides free of obstruction.



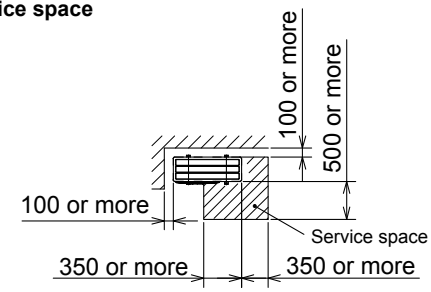
Note : Leave front and overhead free of obstruction.



Note : Leave rear, overhead and both sides free of obstruction.

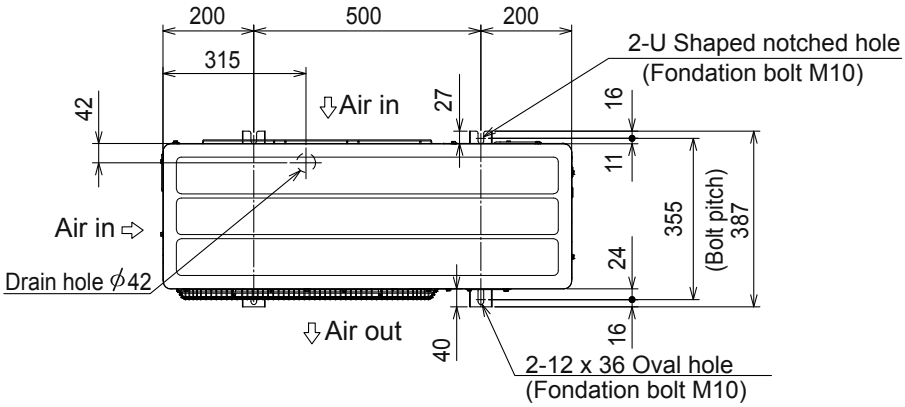


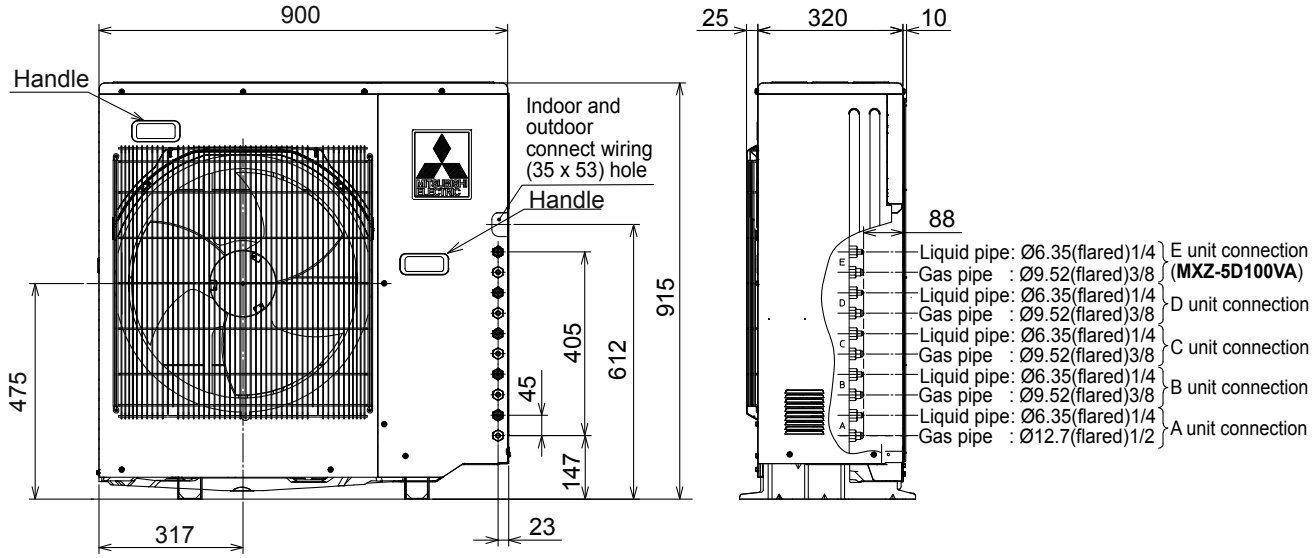
2.Service space



MXZ-4D80VA MXZ-5D100VA

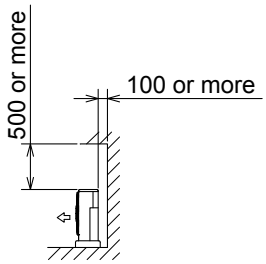
Unit: mm



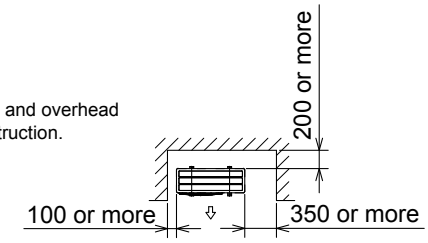


1.Installation space

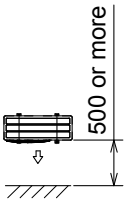
Note : Leave front and both sides free of obstruction.



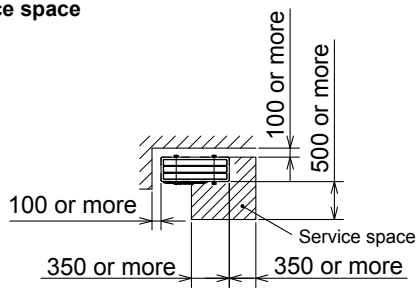
Note : Leave front and overhead free of obstruction.



Note : Leave rear, overhead and both sides free of obstruction.

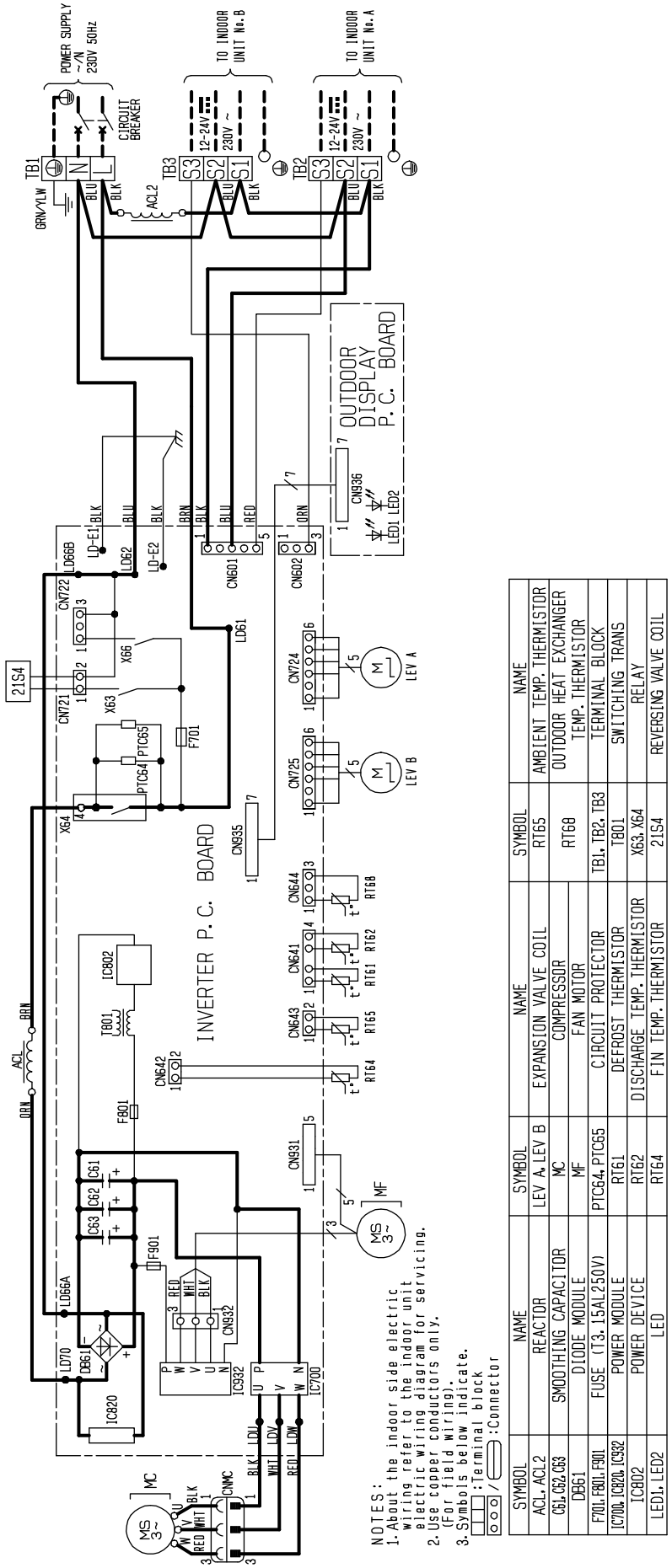


2.Service space



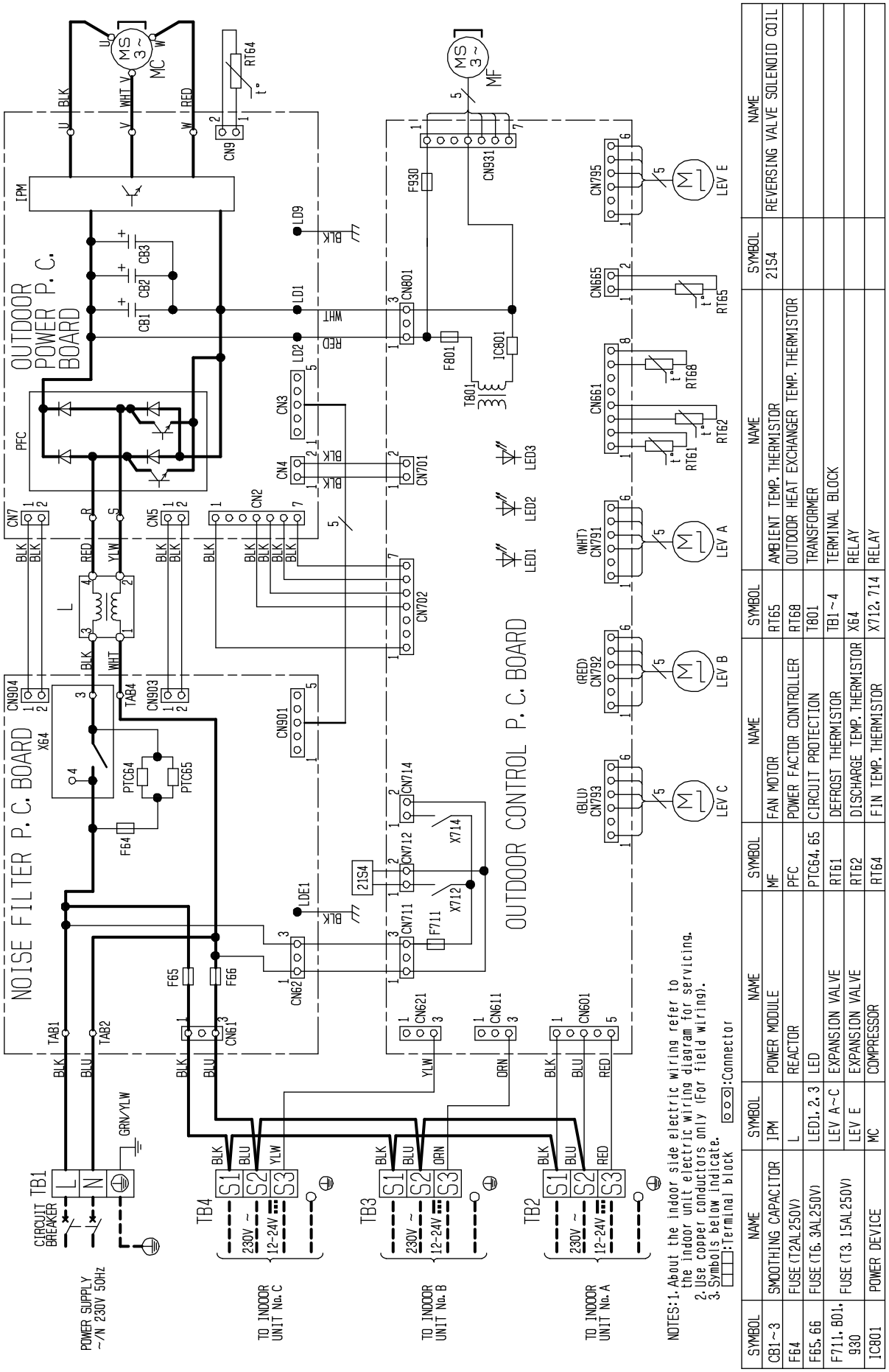
6 WIRING DIAGRAM

MXZ-2D52VA



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
ACL, ACL2	REACTOR	LEV A, LEV B	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C61, C62, C63	SMOOTHING CAPACITOR	MC	COMPRESSOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61	DIODE MODULE	MF	FAN MOTOR	TB1, TB2, TB3	TERMINAL BLOCK
F701, F801, F901	FUSE (T3.15AL250V)	PTC64, PTC65	CIRCUIT PROTECTOR	T801	SWITCHING TRANS
IC700, IC820, IC532	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED1, LED2	LED	RT64	FIN TEMP. THERMISTOR		

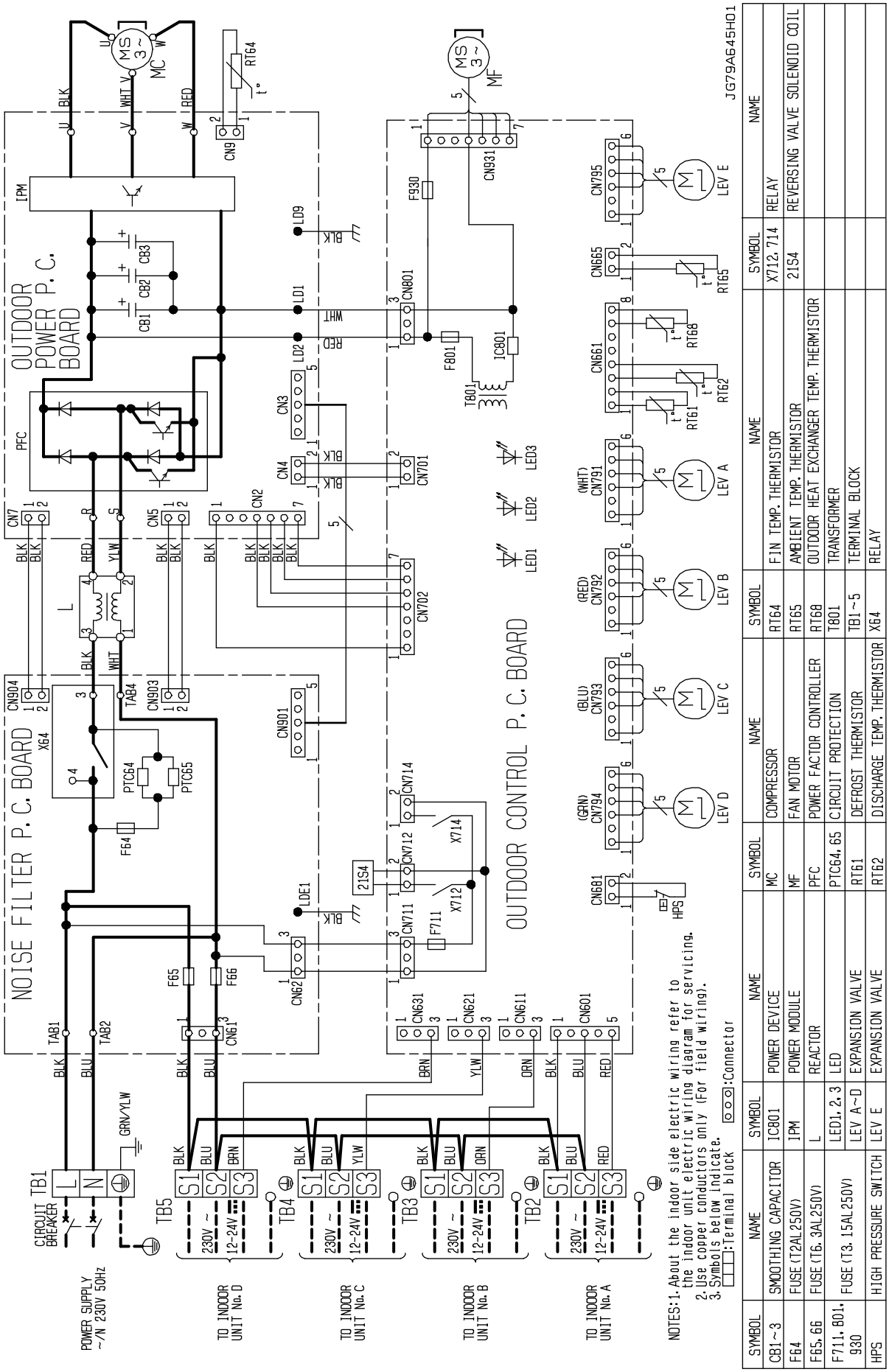
MXZ-3D54VA


OUTDOOR POWER P.C. BOARD
NOISE FILTER P.C. BOARD
OUTDOOR CONTROL P.C. BOARD
POWER SUPPLY ~/N 230V 50Hz
CIRCUIT BREAKER
TO INDOOR UNIT No.C
TO INDOOR UNIT No.B
TO INDOOR UNIT No.A
NOTES:1. About the indoor side electric wiring refer to the indoor unit electric wiring diagram for servicing.
2. Use copper conductors only (For field wiring).
3. Symbols below indicate.
□□□:Terminal block
○○○:Connector

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	IPM	POWER MODULE	MF	FAN MOTOR	RT65	AMBIENT TEMP. THERMISTOR
FG4	FUSE (T2AL250V)	L	REACTOR	PFC	POWER FACTOR CONTROLLER	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
F65, 66	FUSE (T6.3AL250V)	LED1, 2, 3	LED	PTC64, 65	CIRCUIT PROTECTION	T801	TRANSFORMER
F711, 801, 930	FUSE (T3.15AL250V)	LEV A~C	EXPANSION VALVE	RT61	DEFROST THERMISTOR	TB1~4	TERMINAL BLOCK
		LEV E	EXPANSION VALVE	RT62	DISCHARGE TEMP. THERMISTOR	X64	RELAY
IC801	POWER DEVICE	MC	COMPRESSOR	RT64	FIN TEMP. THERMISTOR	X712, 714	RELAY

SYMBOL	NAME
21S4	REVERSING VALVE SOLENOID COIL

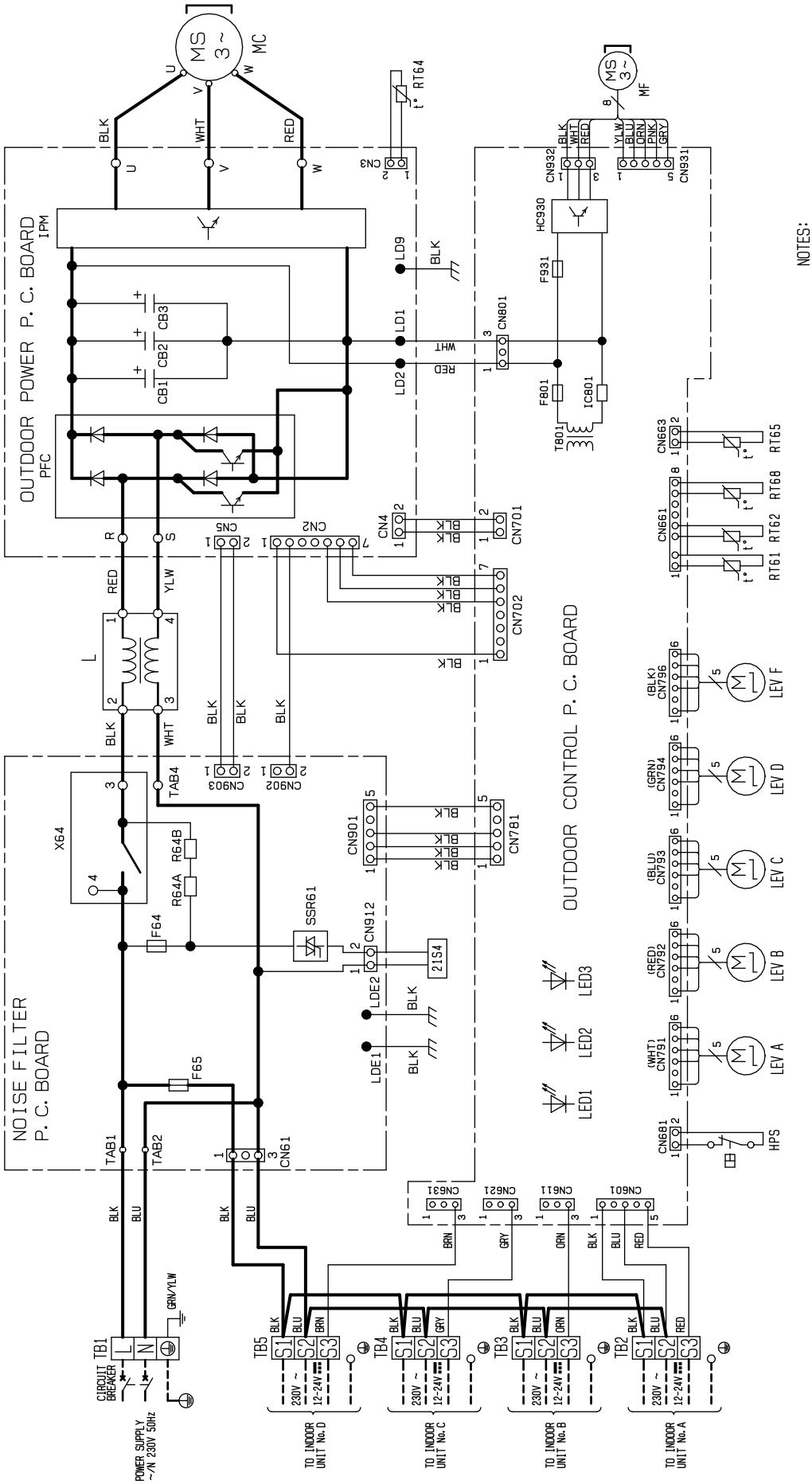
MXZ-4D71VA


NOISE FILTER P.C. BOARD
OUTDOOR POWER P.C. BOARD
OUTDOOR CONTROL P.C. BOARD
JG79A645H01
POWER SUPPLY ~/N 230V 50Hz
CIRCUIT BREAKER
TO INDOOR UNIT No. D
TO INDOOR UNIT No. C
TO INDOOR UNIT No. B
TO INDOOR UNIT No. A
NOTES:1. About the indoor side electric wiring refer to the indoor unit electric wiring diagram for servicing.
2. Use copper conductors only (For field wiring).
3. Symbols below indicate.
□□□:Terminal block
○○○:Connector

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	IC801	POWER DEVICE	MC	COMPRESSOR	RT64	FIN TEMP. THERMISTOR
F64	FUSE (T2AL250V)	IPM	POWER MODULE	MF	FAN MOTOR	RT65	AMBIENT TEMP. THERMISTOR
F65, 66	FUSE (T6.3AL250V)	L	REACTOR	PFC	POWER FACTOR CONTROLLER	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
F711, 801, 930	FUSE (T3.15AL250V)	LED1, 2, 3	LED	PTC64, 65	CIRCUIT PROTECTION	T801	TRANSFORMER
		LEV A~D	EXPANSION VALVE	RT61	DEFROST THERMISTOR	TB1~5	TERMINAL BLOCK
HPS	HIGH PRESSURE SWITCH	LEV E	EXPANSION VALVE	RT62	DISCHARGE TEMP. THERMISTOR	X64	RELAY

SYMBOL	NAME
X712, 714	RELAY
21S4	REVERSING VALVE SOLENOID COIL

MXZ-4D80VA



NOTES:
1. About the indoor side electric wiring refer to the indoor unit electric wiring diagram for servicing.
2. Use copper conductors only (For field wiring).
3. Symbols below indicate.
□□□ :Terminal block
○○○ :connector

SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR
F64	FUSE(T2AL250V)
F65	FUSE(T6.3AL250V)
F801	FUSE(T3.15AL250V)
F931	FUSE(T3.15AL250V)
HC930	POWER MODULE

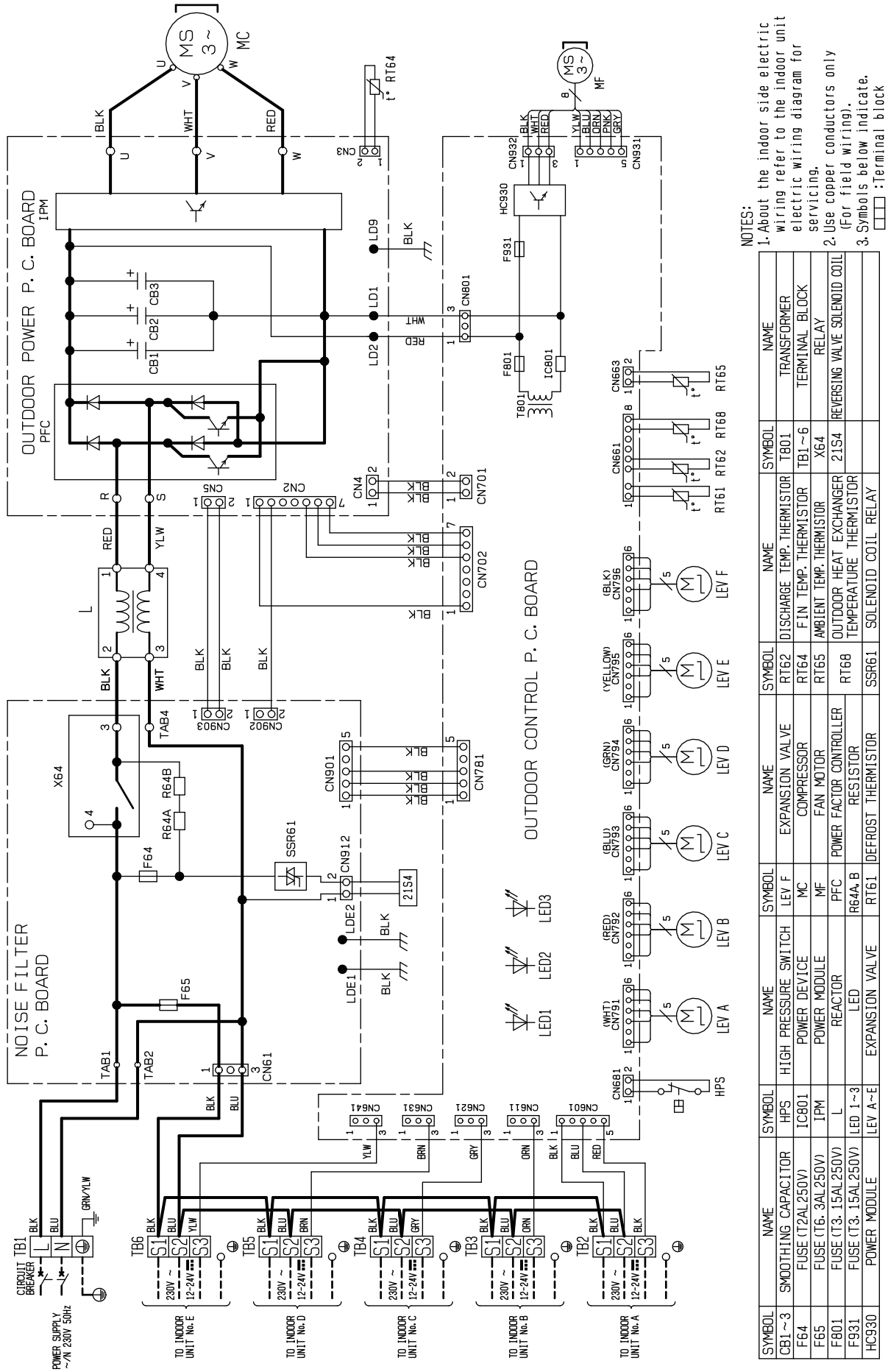
SYMBOL	NAME
HPS	HIGH PRESSURE SWITCH
IC801	POWER DEVICE
IPM	POWER MODULE
L	REACTOR
LED 1~3	LED
LEV A~D	EXPANSION VALVE

SYMBOL	NAME
LEV F	EXPANSION VALVE
MC	COMPRESSOR
MF	FAN MOTOR
PFC	POWER FACTOR CONTROLLER
R64A,B	RESISTOR
RT61	DEFROST THERMISTOR

SYMBOL	NAME
RT62	DISCHARGE TEMP.THERMISTOR
RT64	FIN TEMP.THERMISTOR
RT65	AMBIENT TEMP.THERMISTOR
RT68	OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR
SSR61	SOLENOID COIL RELAY

SYMBOL	NAME
T801	TRANSFORMER
TB1~5	TERMINAL BLOCK
X64	RELAY
21S4	REVERSING VALVE SOLENOID COIL

MXZ-5D100VA



NOTES:
1. About the indoor side electric wiring refer to the indoor unit electric wiring diagram for servicing.
2. Use copper conductors only (For field wiring).
3. Symbols below indicate.
□□□ :Terminal block
⊐⊐⊐ :connector

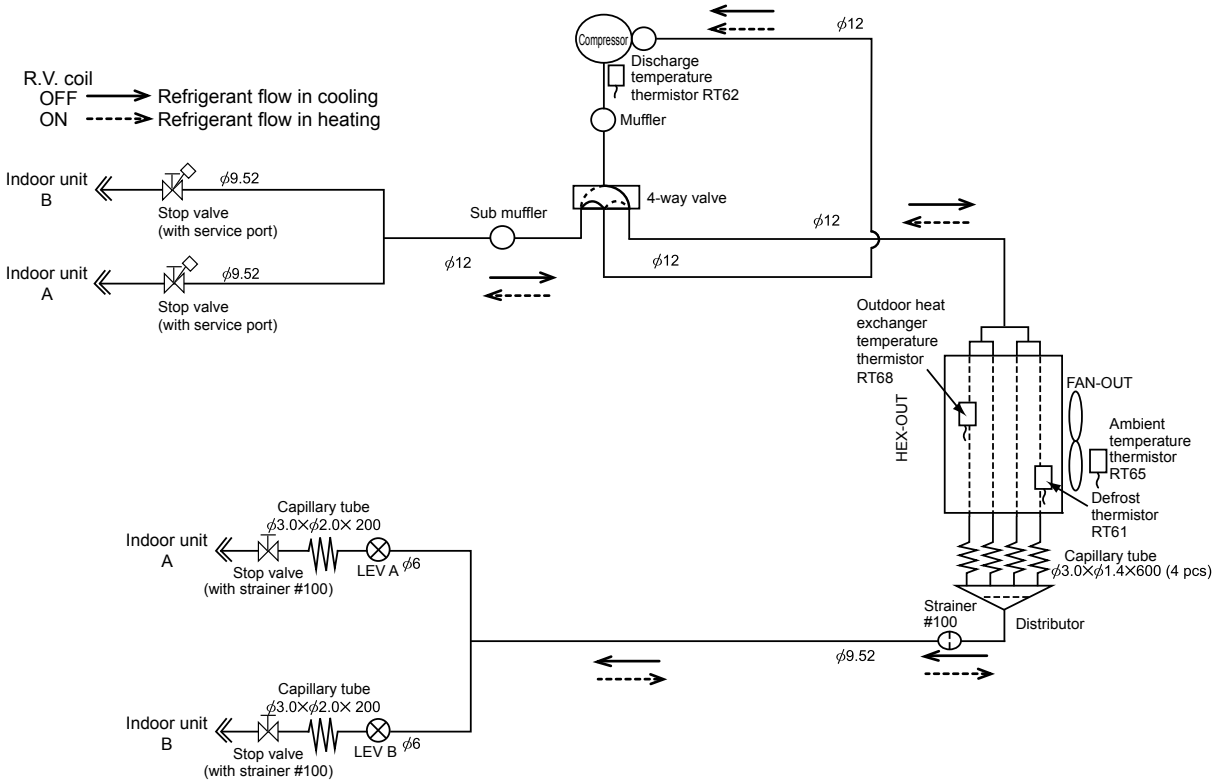
SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	HPS	HIGH PRESSURE SWITCH	LEV F	EXPANSION VALVE	RT62	DISCHARGE TEMP. THERMISTOR
F64	FUSE (T2AL250V)	ICB01	POWER DEVICE	MC	COMPRESSOR	RT64	FIN TEMP. THERMISTOR
F65	FUSE (T6. 3AL250V)	IPM	POWER MODULE	MF	FAN MOTOR	RT65	AMBIENT TEMP. THERMISTOR
F801	FUSE (T3. 15AL250V)	L	REACTOR	PFC	POWER FACTOR CONTROLLER	RT68	OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR
F931	FUSE (T3. 15AL250V)	LED 1~3	LED	R64A B	RESISTOR		
HC930	POWER MODULE	LEV A~E	EXPANSION VALVE	RT61	DEFROST THERMISTOR	SSR61	SOLENOID COIL RELAY

SYMBOL	NAME
T801	TRANSFORMER
TB1~6	TERMINAL BLOCK
X64	RELAY
21S4	REVERSING VALVE SOLENOID COIL

7 REFRIGERANT SYSTEM DIAGRAM

MXZ-2D52VA

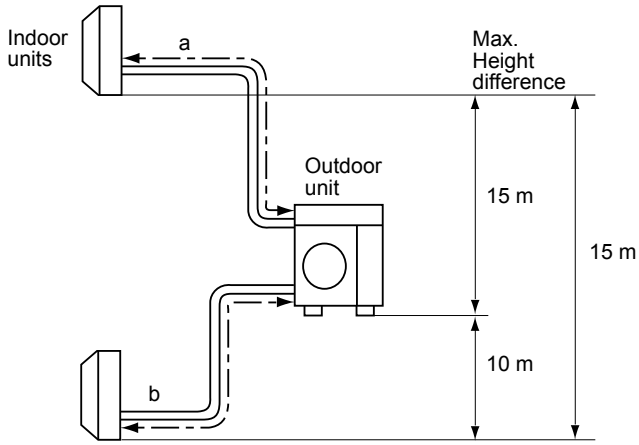
UNIT: mm



MAX REFRIGERANT PIPING LENGTH

Piping length each indoor unit (a, b)	20 m
Total piping length (a+b)	30 m
Bending point for each unit	20
Total bending point	30

✻It is irrelevant which unit is higher.



ADDITIONAL REFRIGERANT CHARGE

Outdoor unit precharged (g)	Refrigerant piping length (one way, 2 unit total)	
	20 m	30 m
1,300	0	200

Calculation : Xg = 20 g/m x (Refrigerant piping length (m) - 20)

WHEN CONNECTING TO MFZ-KJ SERIES INDOOR UNIT

No. of MFZ-KJ indoor units	Refrigerant piping length (L)		Maximum amount of refrigerant
	~ 20 m	~ 30 m	
None	Charge-less (1,300 g)	(L-20) x 20 g/m	1,500 g
1 unit	100 g additional charge (1,400 g)	100 g + (L-20) x 20 g/m	1,600 g
2 units	200 g additional charge (1,500 g)	200 g + (L-20) x 20 g/m	1,700 g

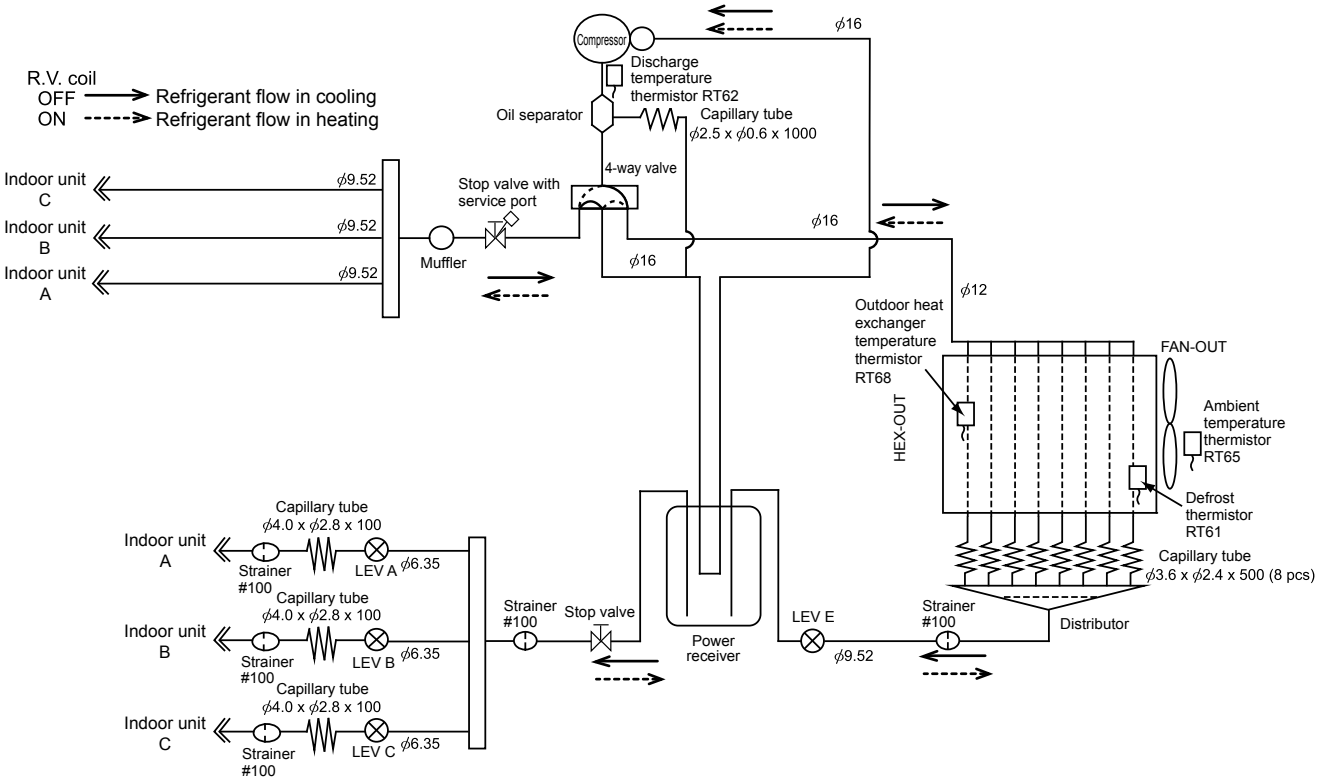
UNIT: mm (inch)

● Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the right table.

Outdoor unit union diameter		
For		
Indoor unit A	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit B	Liquid	6.35(1/4)
	Gas	9.52(3/8)

MXZ-3D54VA

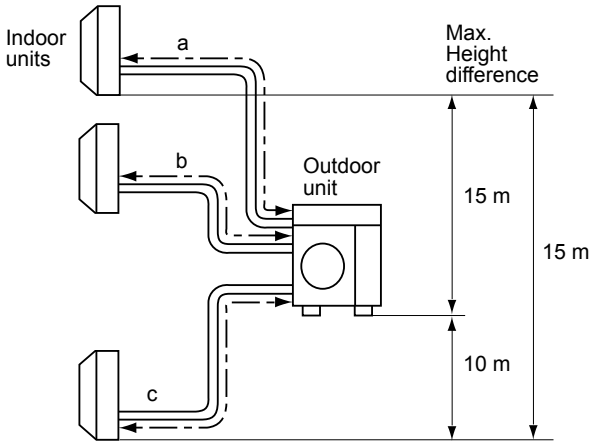
UNIT: mm



MAX REFRIGERANT PIPING LENGTH

Piping length each indoor unit (a, b, c)	25 m
Total piping length (a+b+c)	50 m
Bending point for each unit	25
Total bending point	50

✻It is irrelevant which unit is higher.



ADDITIONAL REFRIGERANT CHARGE

Outdoor unit precharged (g)	Refrigerant piping length (one way, 3 unit total)		
	40 m	50 m	60 m
2,700	0	200	400

Calculation : Xg = 20 g/m x (Refrigerant piping length (m) - 40)

WHEN CONNECTING TO MFZ-KJ SERIES INDOOR UNIT

No. of MFZ-KJ indoor units	Refrigerant piping length (L)		Maximum amount of refrigerant
	~ 40 m	~ 50 m	
None	Charge-less (2,700 g)	(L-40) x 20 g/m	2,900 g
1 unit	100 g additional charge (2,800 g)	100 g + (L-40) x 20 g/m	3,000 g
2 units	200 g additional charge (2,900 g)	200 g + (L-40) x 20 g/m	3,100 g
3 units	300 g additional charge (3,000 g)	300 g + (L-40) x 20 g/m	3,200 g

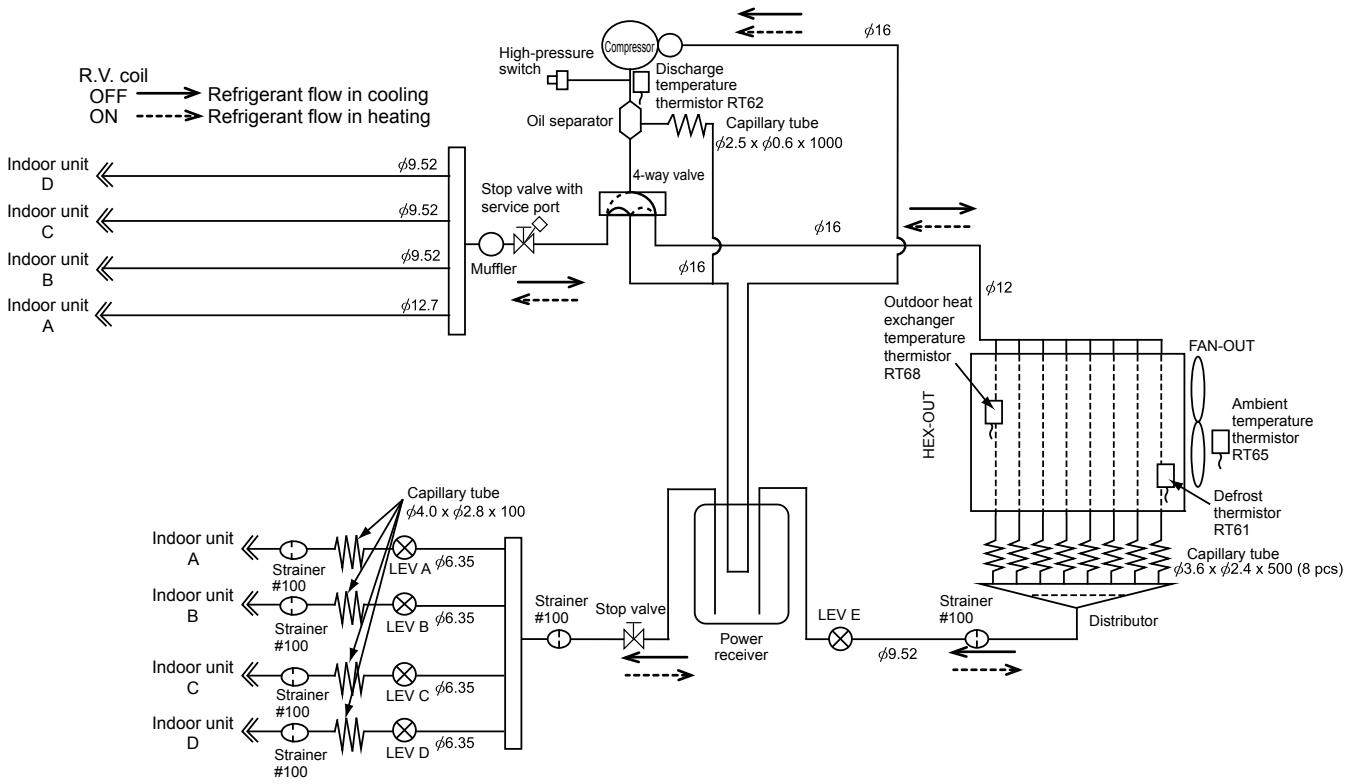
- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the right table.
- When diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe.
  For further information on Different-diameter pipe, refer to "PARTS CATALOG".

UNIT: mm (inch)

Outdoor unit union diameter		
For		
Indoor unit A	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit B	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit C	Liquid	6.35(1/4)
	Gas	9.52(3/8)

MXZ-4D71VA

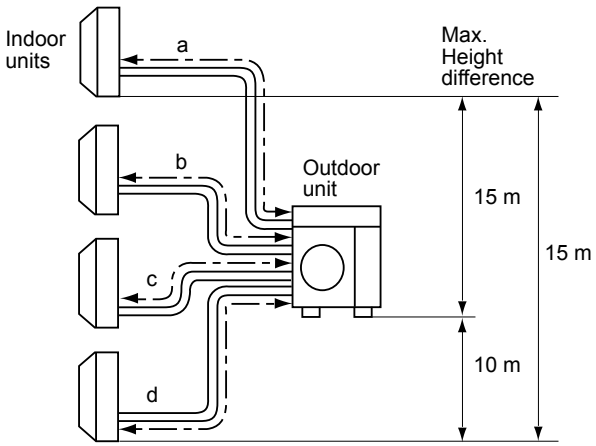
UNIT: mm



MAX REFRIGERANT PIPING LENGTH

Piping length each indoor unit (a, b, c, d)	25 m
Total piping length (a+b+c+d)	60 m
Bending point for each unit	25
Total bending point	60

✻It is irrelevant which unit is higher.



ADDITIONAL REFRIGERANT CHARGE

Outdoor unit precharged (g)	Refrigerant piping length (one way, 4 unit total)		
	40 m	50 m	60 m
2,700	0	200	400

Calculation : Xg = 20 g/m x (Refrigerant piping length (m) - 40)

WHEN CONNECTING TO MFZ-KJ SERIES INDOOR UNIT

No. of MFZ-KJ indoor units	Refrigerant piping length (L)		Maximum amount of refrigerant
	~ 40 m	~ 60 m	
None	Charge-less (2,700 g)	(L-40) x 20 g/m	3,100 g
1 unit	100 g additional charge (2,800 g)	100 g + (L-40) x 20 g/m	3,200 g
2 units	200 g additional charge (2,900 g)	200 g + (L-40) x 20 g/m	3,300 g
3 units	300 g additional charge (3,000 g)	300 g + (L-40) x 20 g/m	3,400 g
4 units	400 g additional charge (3,100 g)	400 g + (L-40) x 20 g/m	3,500 g

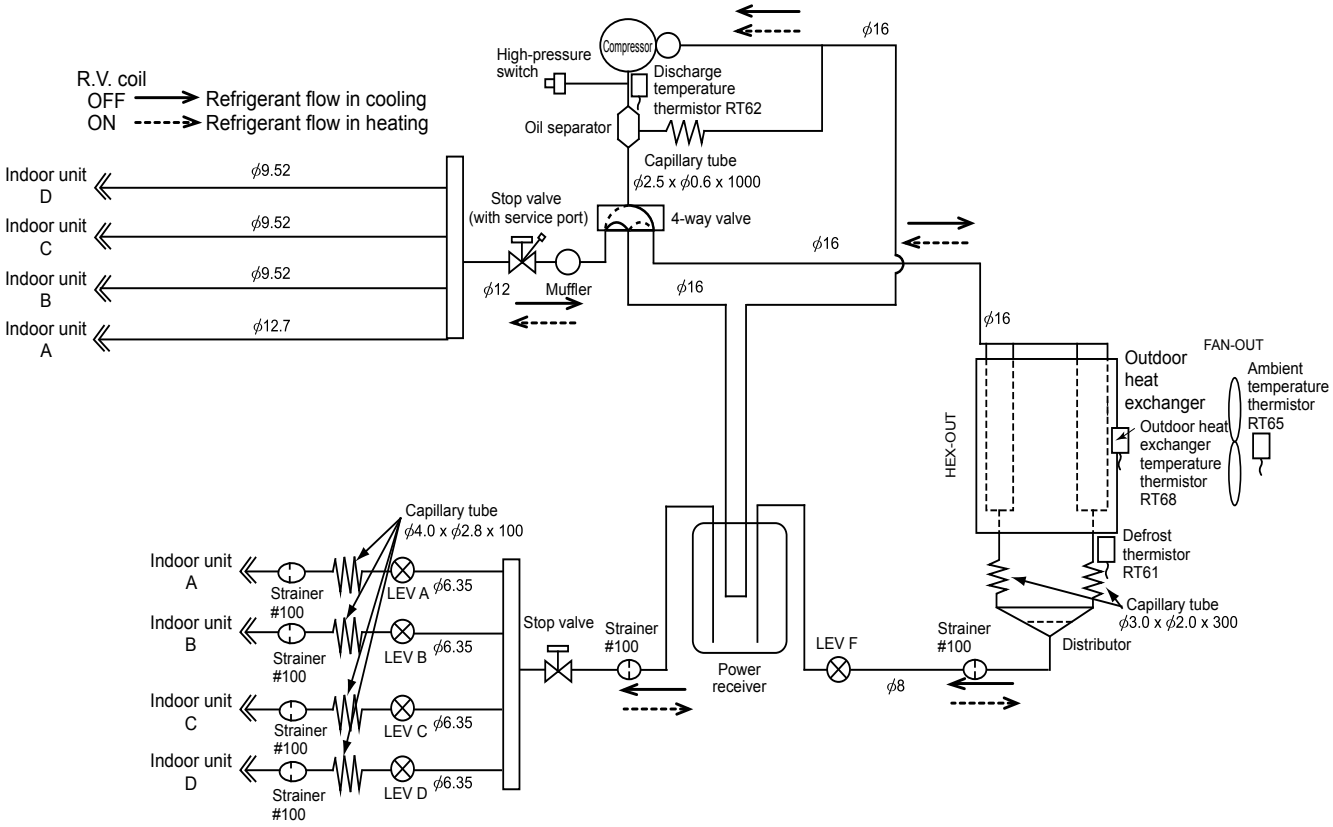
- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the right table.
- When diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe.
  For further information on Different-diameter pipe, refer to "PARTS CATALOG".

UNIT: mm (inch)

Outdoor unit union diameter		
For		
Indoor unit A	Liquid	6.35(1/4)
	Gas	12.7(1/2)
Indoor unit B	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit C	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit D	Liquid	6.35(1/4)
	Gas	9.52(3/8)

MXZ-4D80VA

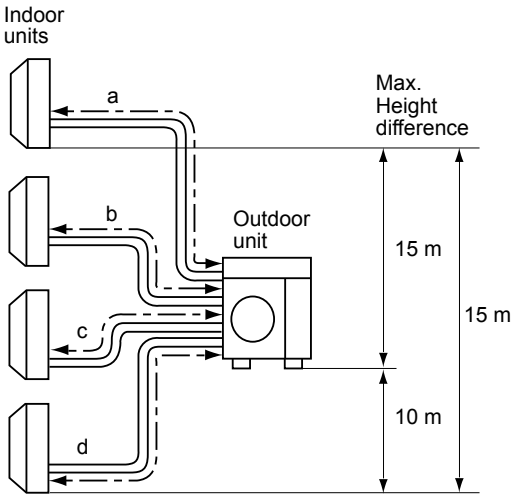
UNIT: mm



MAX REFRIGERANT PIPING LENGTH

Piping length each indoor unit (a, b, c, d)	25 m
Total piping length (a+b+c+d)	70 m
Bending point for each unit	25
Total bending point	70

✻It is irrelevant which unit is higher.



ADDITIONAL REFRIGERANT CHARGE

Outdoor unit precharged (g)	Refrigerant piping length (one way, 4 unit total)			
	40 m	50 m	60 m	70 m
3,500	0	200	400	600

Calculation : Xg = 20 g/m x (Refrigerant piping length (m) - 40)

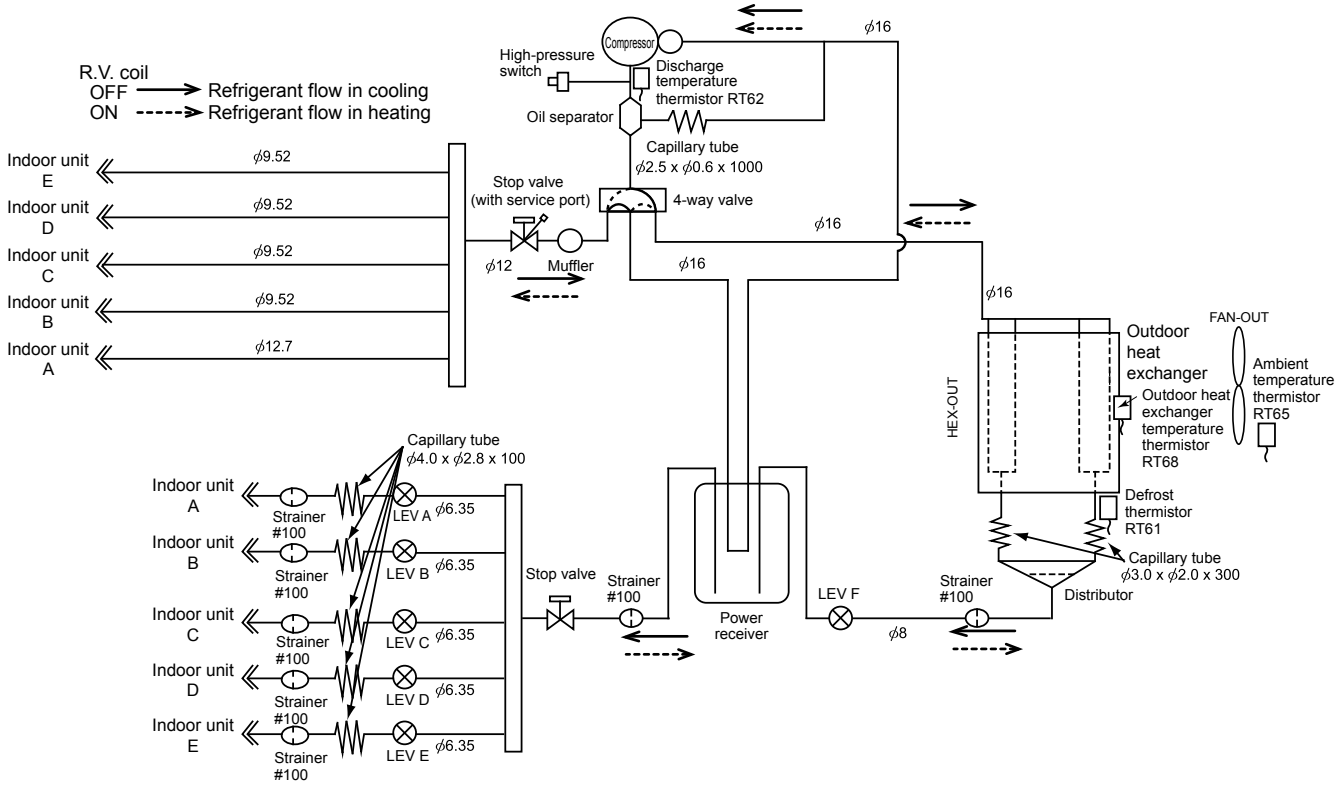
- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the right table.
- When diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe.
  For further information on Different-diameter pipe, refer to "PARTS CATALOG".

UNIT: mm (inch)

Outdoor unit union diameter		
For		
Indoor unit A	Liquid	6.35(1/4)
	Gas	12.7(1/2)
Indoor unit B	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit C	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit D	Liquid	6.35(1/4)
	Gas	9.52(3/8)

MXZ-5D100VA

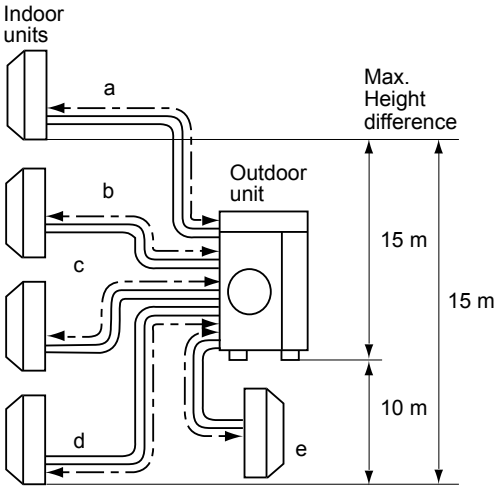
UNIT: mm



MAX REFRIGERANT PIPING LENGTH

Piping length each indoor unit (a, b, c, d, e)	25 m
Total piping length (a+b+c+d+e)	80 m
Bending point for each unit	25
Total bending point	80

✻It is irrelevant which unit is higher.



ADDITIONAL REFRIGERANT CHARGE

Outdoor unit precharged (g)	Refrigerant piping length (one way, 5 unit total)				
	40 m	50 m	60 m	70 m	80 m
4,000	0	200	400	600	800

Calculation : Xg = 20 g/m x (Refrigerant piping length (m) - 40)

- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the right table.
- When diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe.
  For further information on Different-diameter pipe, refer to "PARTS CATALOG".

UNIT: mm (inch)

Outdoor unit union diameter		
For		
Indoor unit A	Liquid	6.35(1/4)
	Gas	12.7(1/2)
Indoor unit B	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit C	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit D	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit E	Liquid	6.35(1/4)
	Gas	9.52(3/8)

PUMPING DOWN

When relocating or disposing of the air conditioner, pump down the system following the procedure below so that no refrigerant is released into the atmosphere.

1) Turn off the breaker.
2) Connect the gauge manifold valve to the service port of the stop valve on the gas pipe side of the outdoor unit.
3) Fully close the stop valve on the liquid pipe side of the outdoor unit.
4) Turn on the breaker.
5) Start the emergency COOL operation on all the indoor units.
6) When the pressure gauge shows 0.05 to 0 MPa [Gauge], fully close the stop valve on the gas pipe side of the outdoor unit and stop the operation. (Refer to the indoor unit installation manual about the method for stopping the operation.)
   * If too much refrigerant has been added to the air conditioner system, the pressure may not drop to 0.05 MPa [Gauge], or the protection function may operate due to the pressure increase in the high-pressure refrigerant circuit. If this occurs, use a refrigerant collecting device to collect all of the refrigerant in the system, and then recharge the system with the correct amount of refrigerant after the indoor and outdoor units have been relocated.
7) Turn off the breaker. Remove the pressure gauge and the refrigerant piping.

WARNING

When pumping down the refrigerant, stop the compressor before disconnecting the refrigerant pipes. The compressor may burst and cause injury if any foreign substance, such as air, enters the pipes.

8 PERFORMANCE CURVES

MXZ-2D52VA MXZ-3D54VA MXZ-4D71VA MXZ-4D80VA MXZ-5D100VA

The standard specifications apply only to the operation of the air conditioner under normal conditions.
Since operating conditions vary according to the areas where these units are installed, the following information has been provided to clarify the operating characteristics of the air conditioner under the conditions indicated by the performance curve.

(1) GUARANTEED VOLTAGE

198 - 264 V 50 Hz

(2) AIR FLOW

Air flow should be set at MAX.

(3) MAIN READINGS

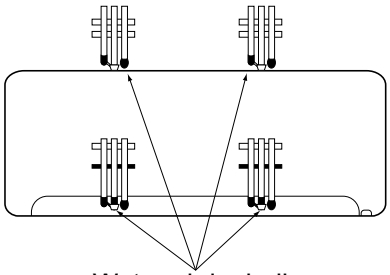
(1) Indoor intake air wet-bulb temperature :	°CWB	Cooling
(2) Indoor outlet air wet-bulb temperature :	°CWB	
(3) Outdoor intake air dry-bulb temperature :	°CDB	
(4) Total input:	W	
(5) Indoor intake air dry-bulb temperature :	°CDB	Heating
(6) Outdoor intake air wet-bulb temperature :	°CWB	
(7) Total input :	W	

Indoor air wet and dry bulb temperature difference on the left side of the following chart shows the difference between the indoor intake air wet and dry bulb temperature and the indoor outlet air wet and dry bulb temperature for your reference at service.

How to measure the indoor air wet and dry bulb temperature difference

1. Attach at least 2 sets of wet and dry bulb thermometers to the indoor air intake as shown in the figure, and at least 2 sets of wet and dry bulb thermometers to the indoor air outlet. The thermometers must be attached to the position where air speed is high.
2. Attach at least 2 sets of wet and dry bulb thermometers to the outdoor air intake. Cover the thermometers to prevent direct rays of the sun.
3. Check that the air filter is cleaned.
4. Open windows and doors of room.
5. Press the EMERGENCY OPERATION switch once (twice) to start the EMERGENCY COOL (HEAT) MODE.
6. When system stabilizes after more than 15 minutes, measure temperature and take an average temperature.
7. 10 minutes later, measure temperature again and check that the temperature does not change.

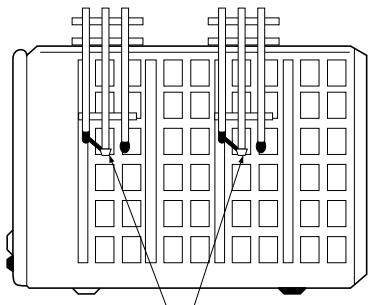
INDOOR UNIT



Wet and dry bulb thermometers

FRONT VIEW

OUTDOOR UNIT

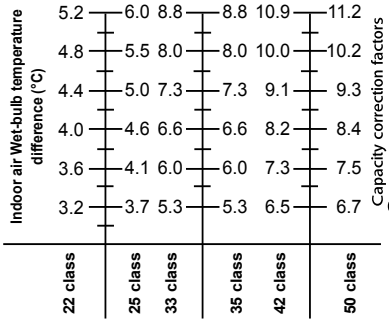


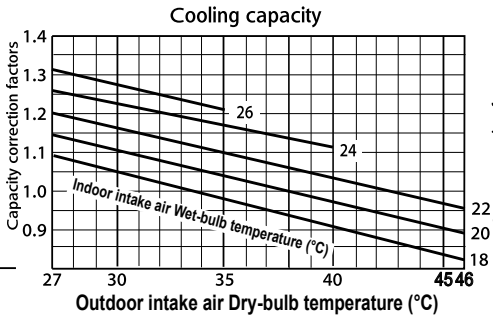
Wet and dry bulb thermometers

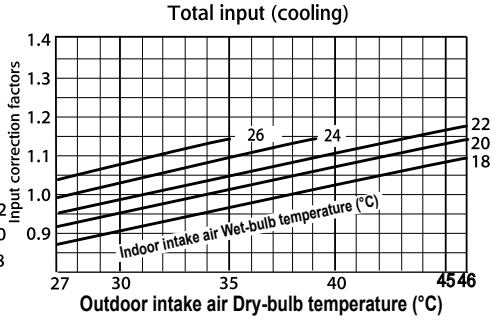
BACK VIEW

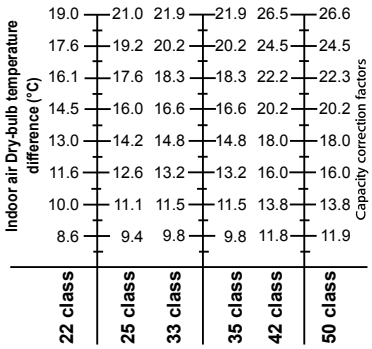
8-1. CAPACITY AND THE INPUT CURVES

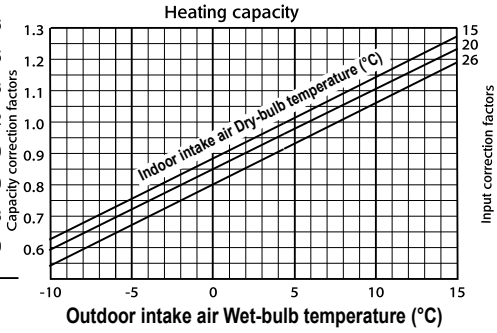
MXZ-2D52VA

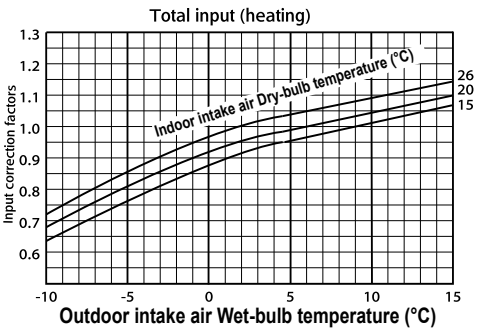




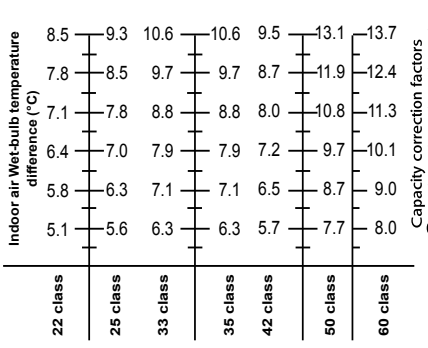


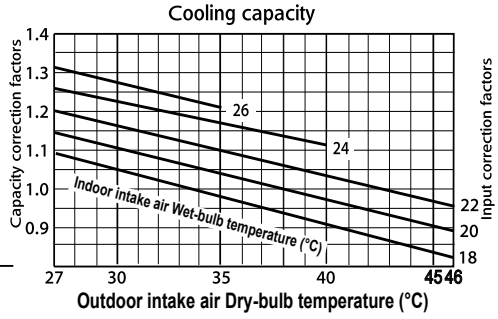


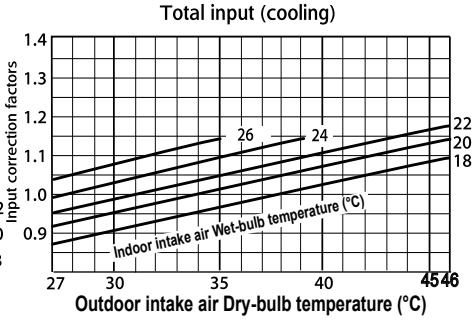


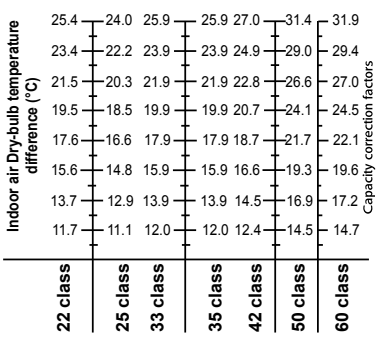


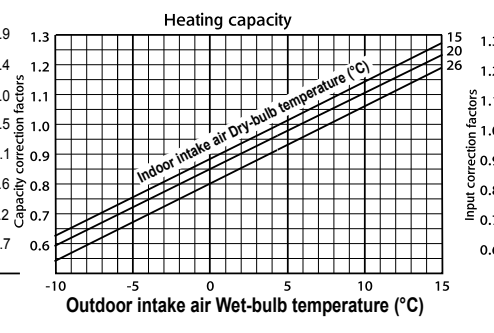
MXZ-3D54VA MXZ-4D71VA

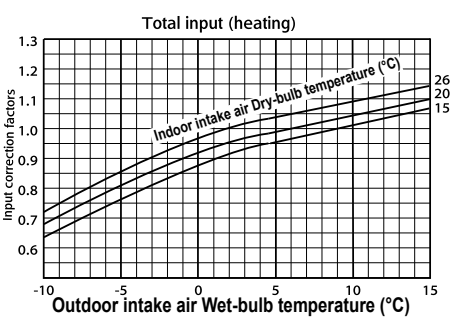




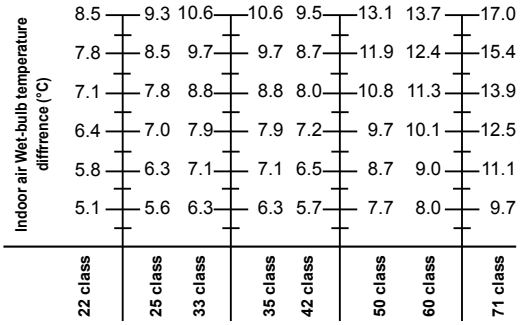


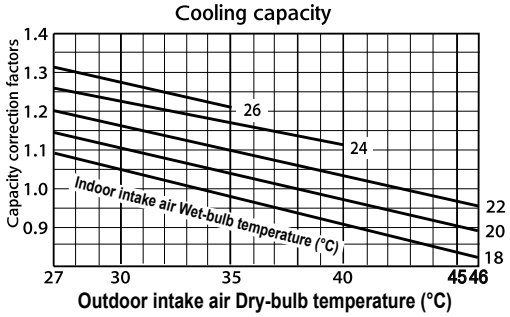


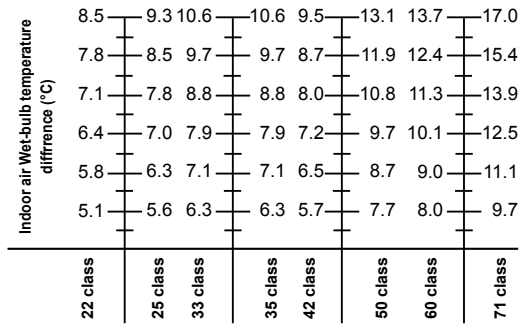


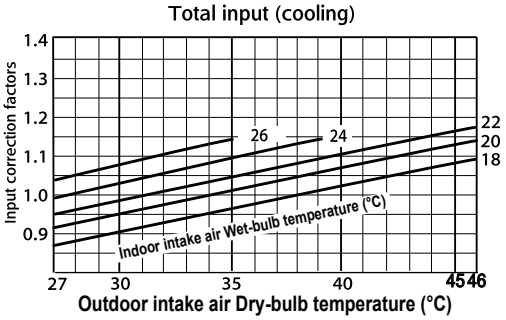


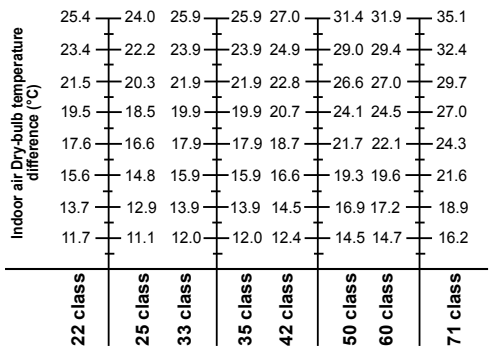
MXZ-4D80VA MXZ-5D100VA

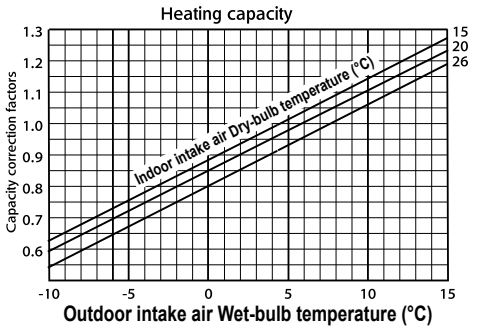


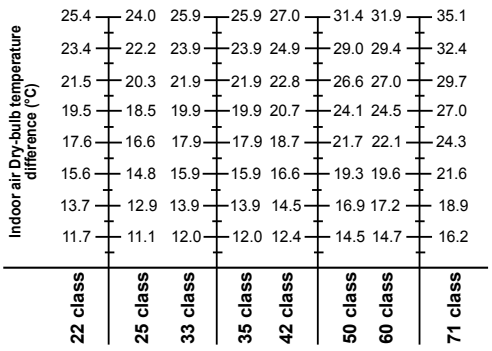


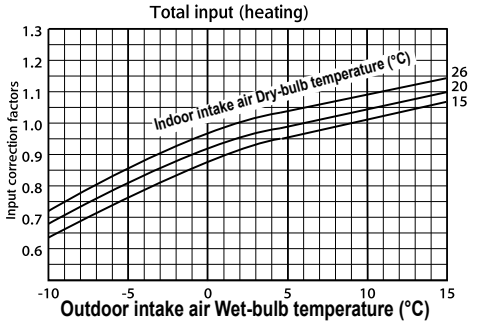












8-2. CAPACITY AND INPUT CORRECTION BY INVERTER OUTPUT FREQUENCY (single operation)

MXZ-2D52VA

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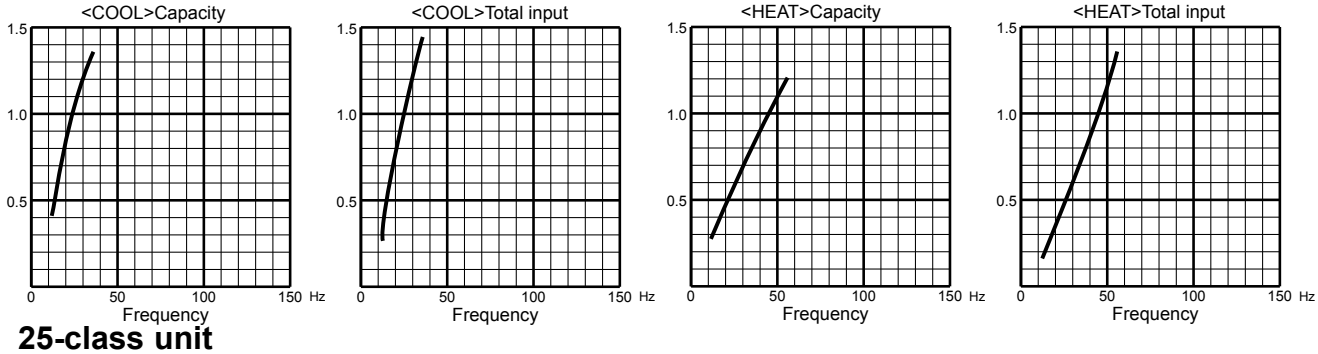

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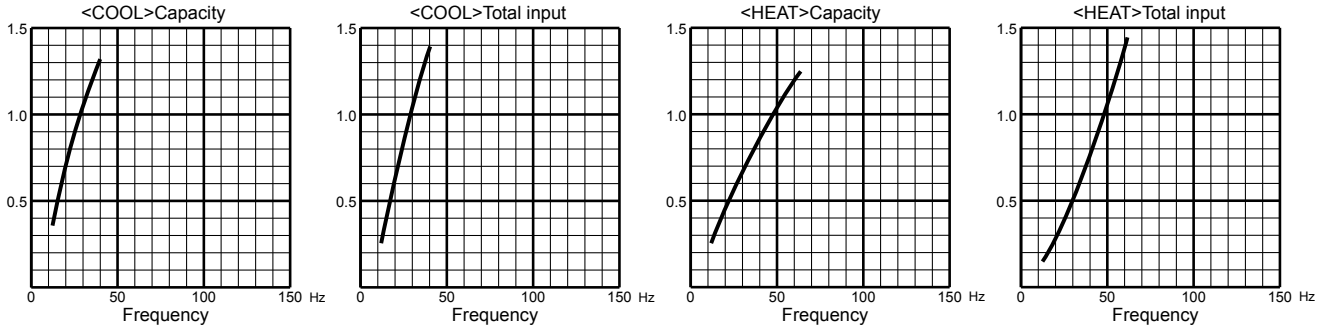

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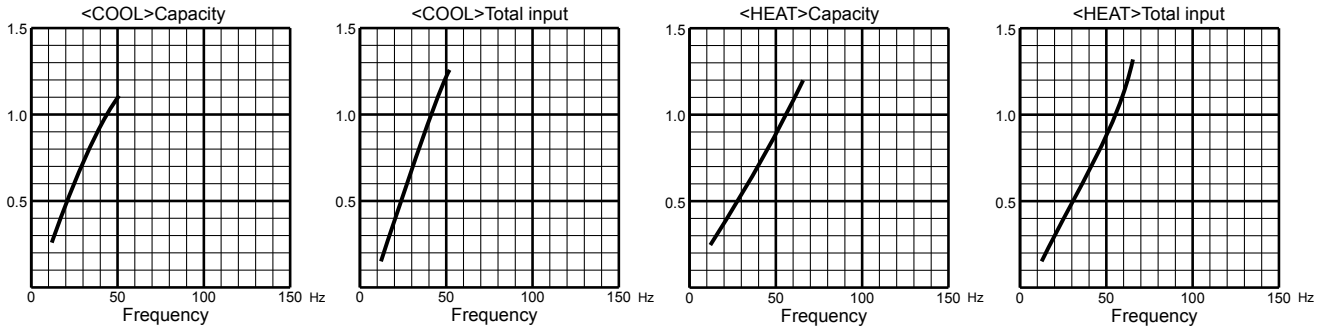

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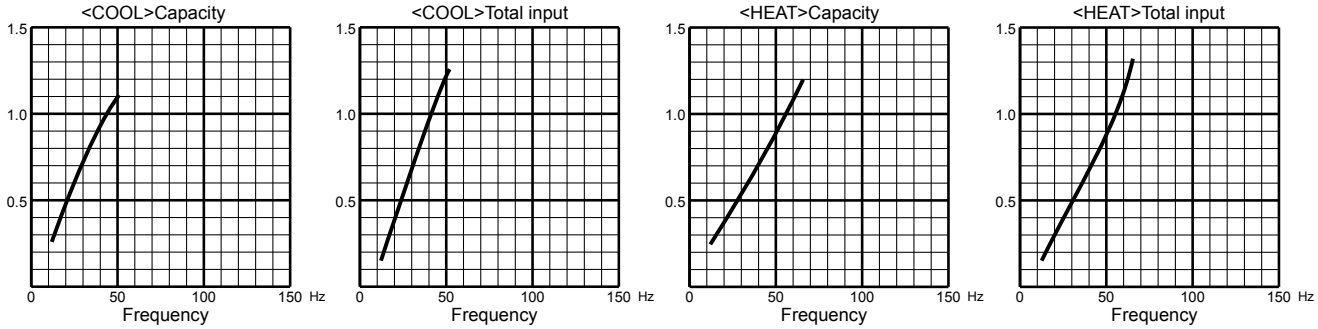

MXZ-2D52VA

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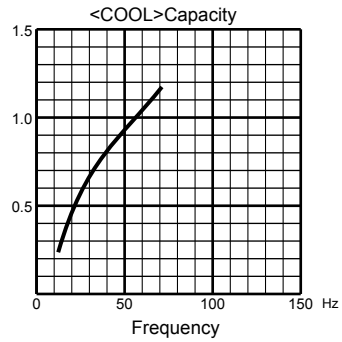

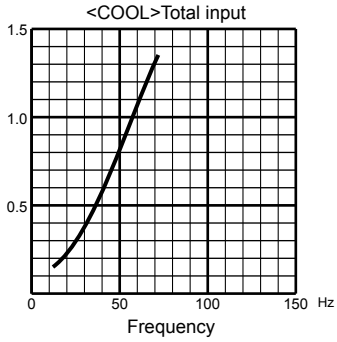

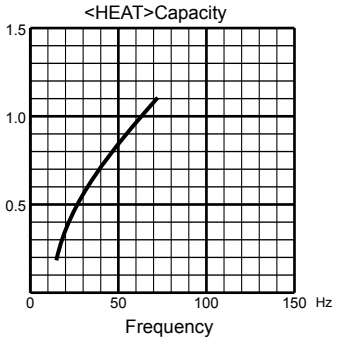

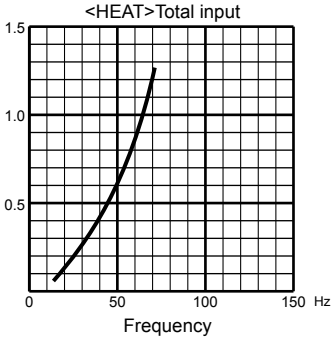

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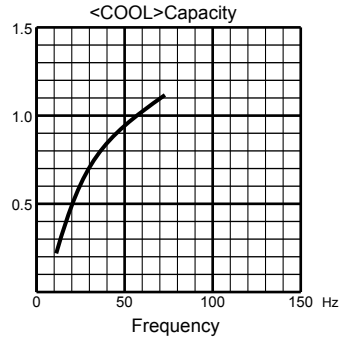

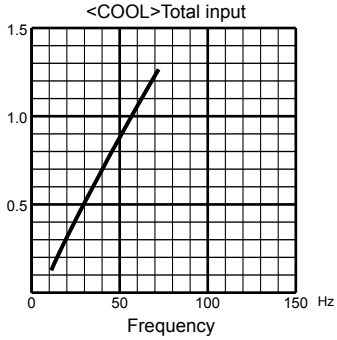

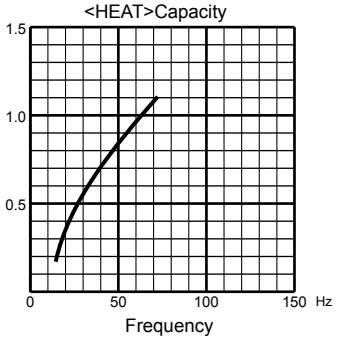

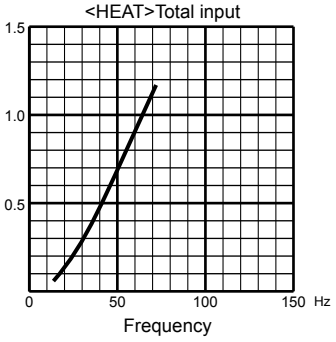

MXZ-3D54VA

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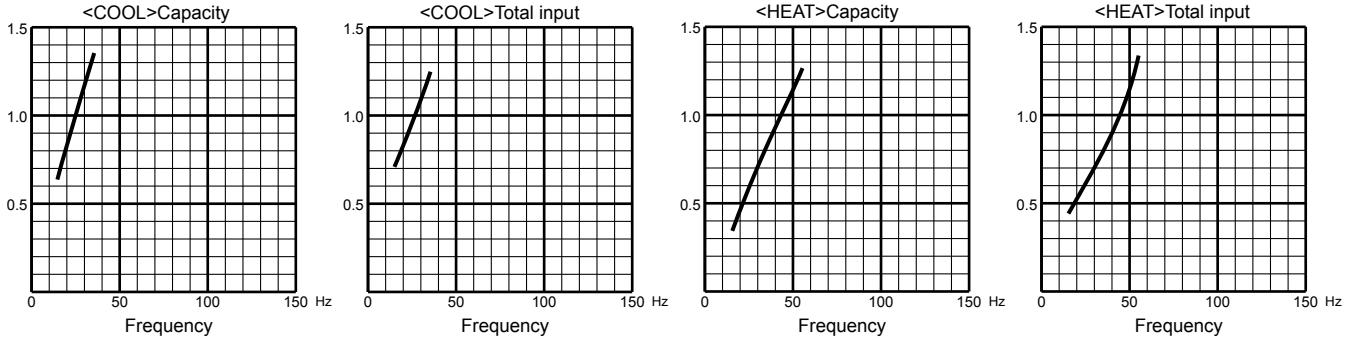

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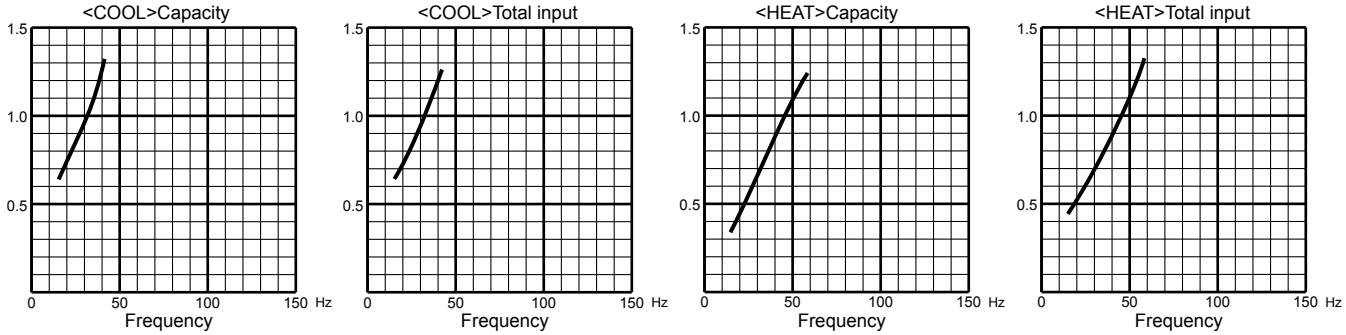

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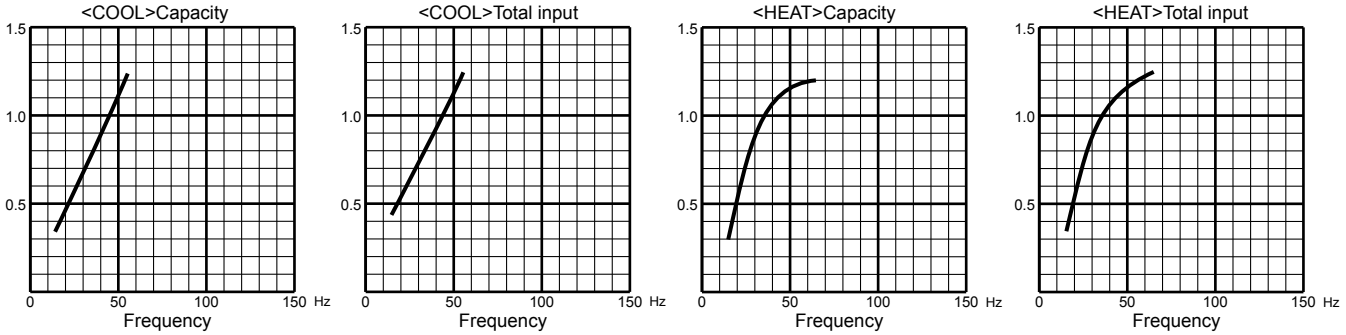

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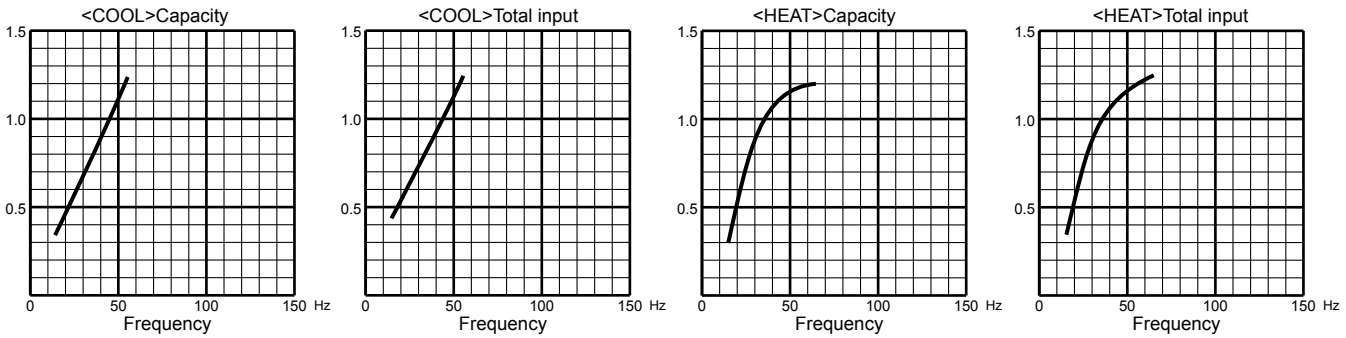

MXZ-3D54VA

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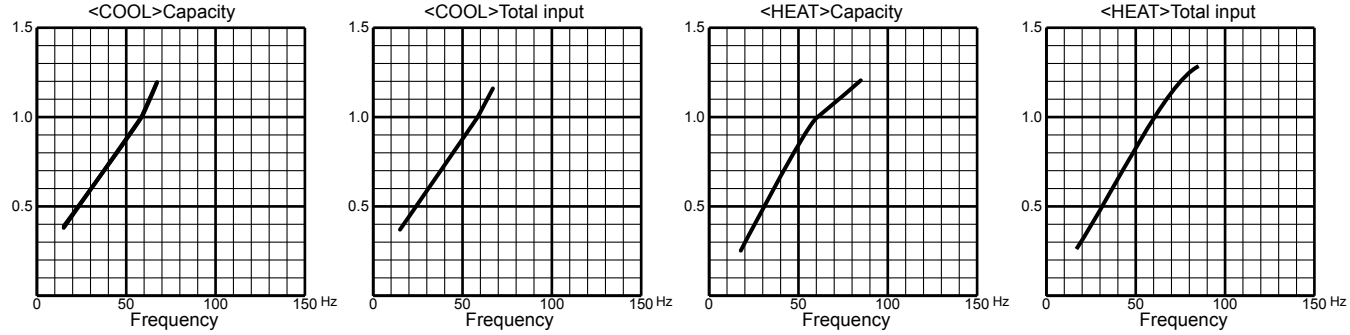

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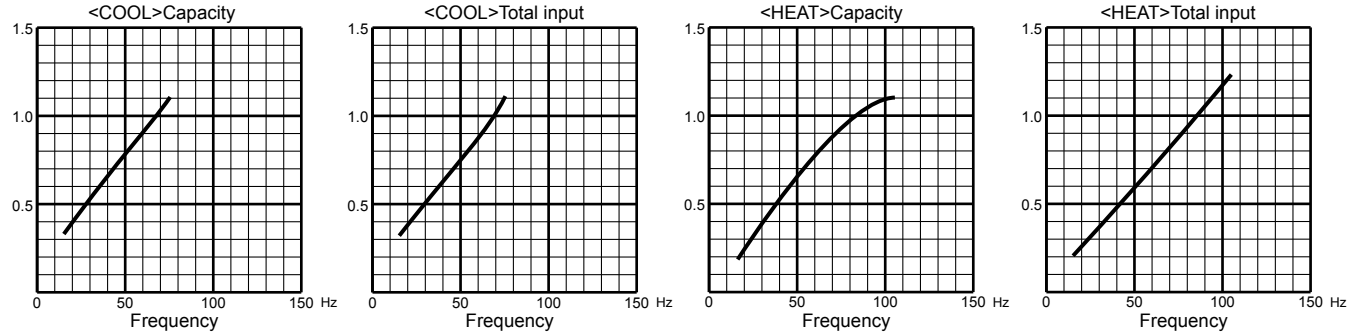

MXZ-4D71VA

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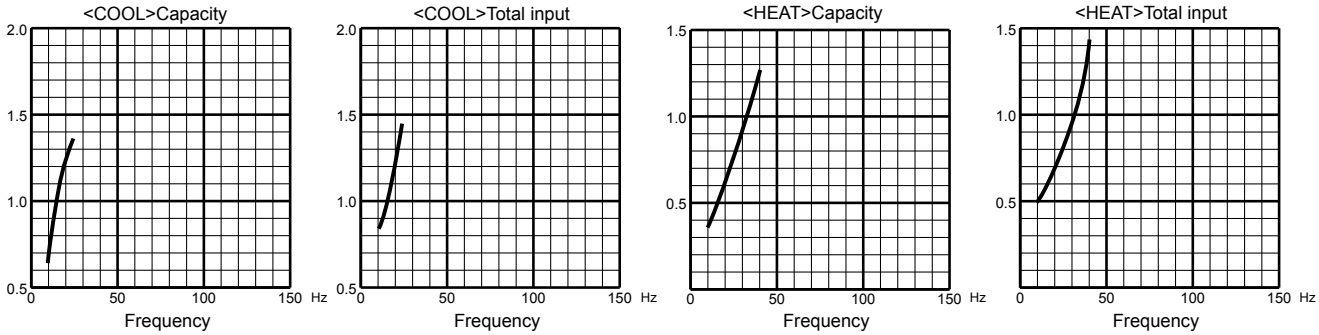

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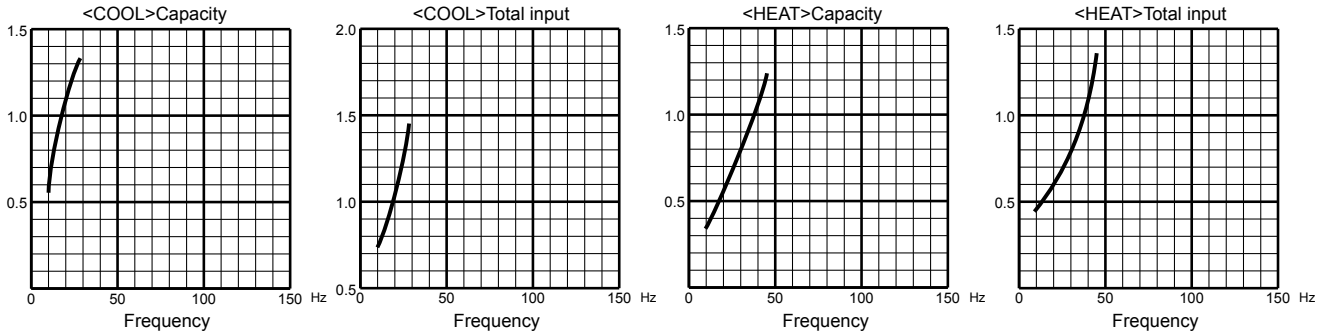

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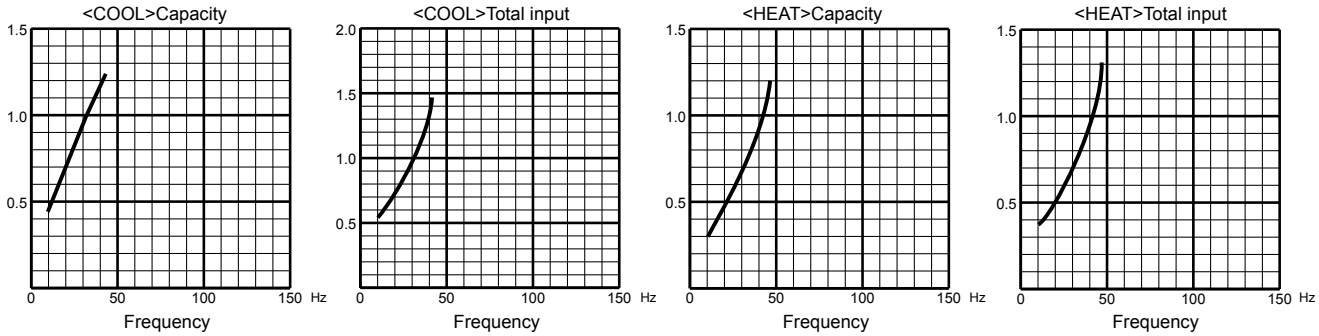

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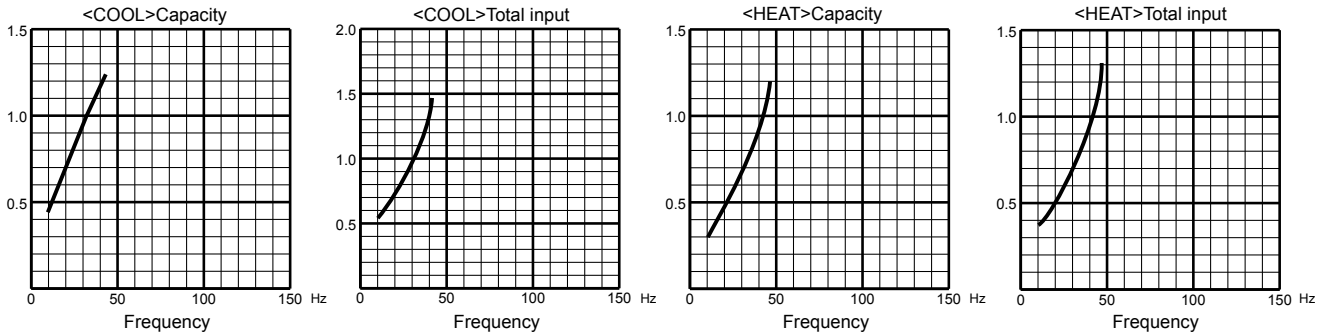

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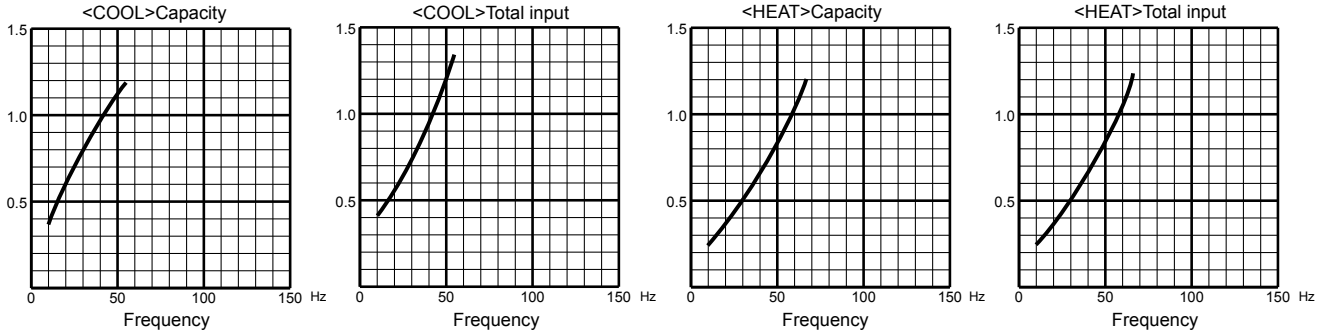

MXZ-4D71VA

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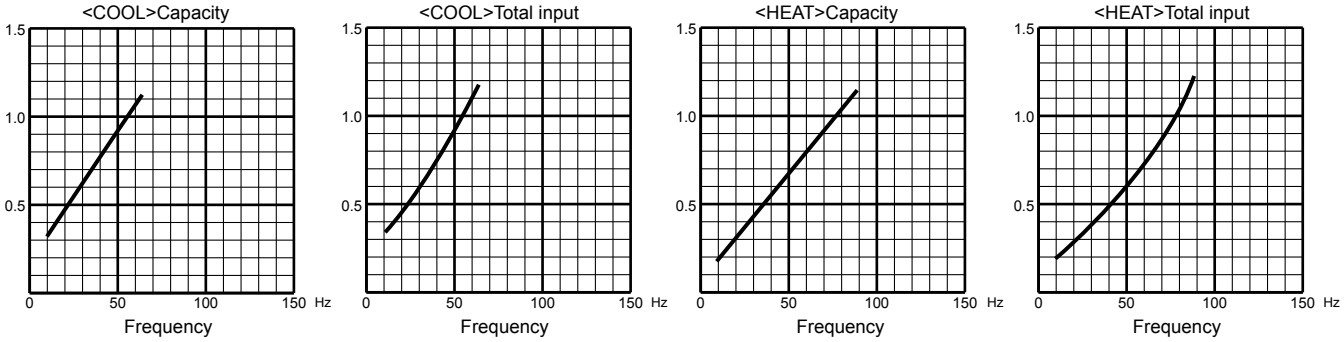

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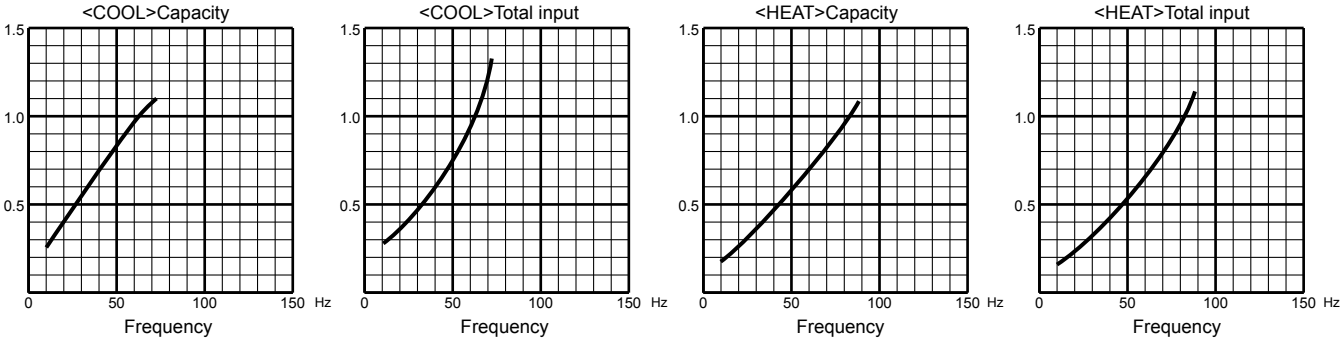

MXZ-4D80VA

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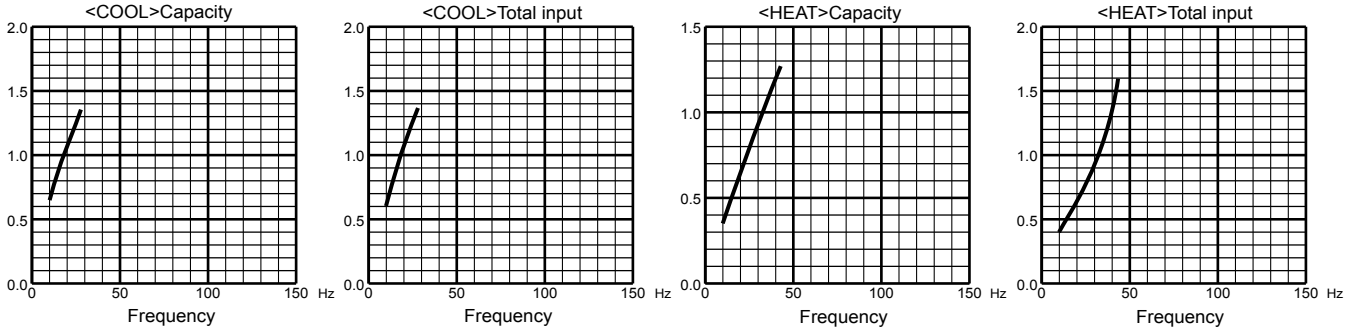

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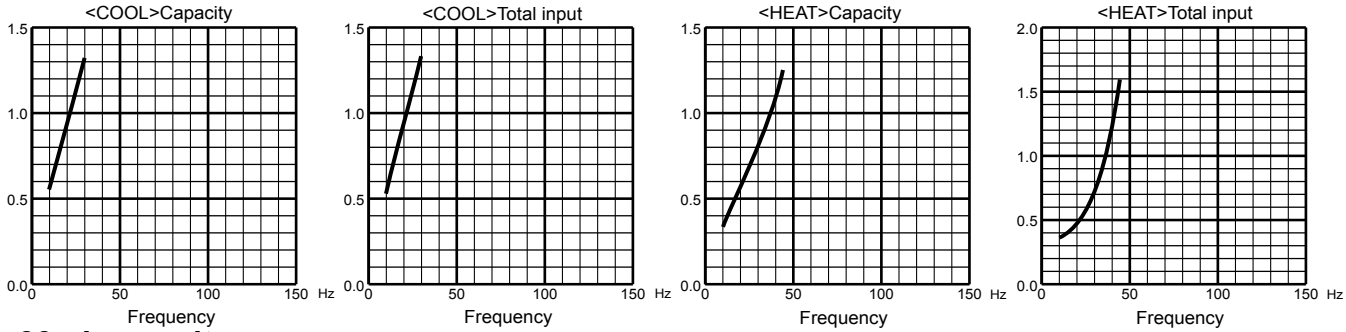

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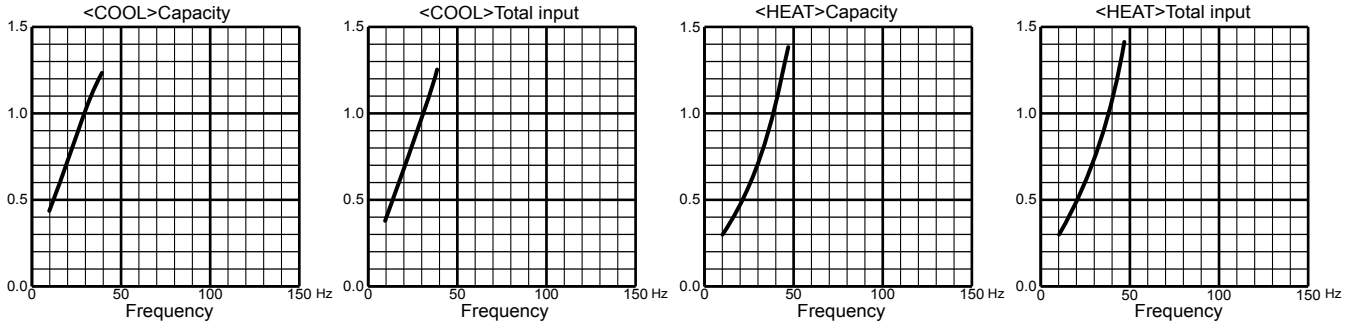

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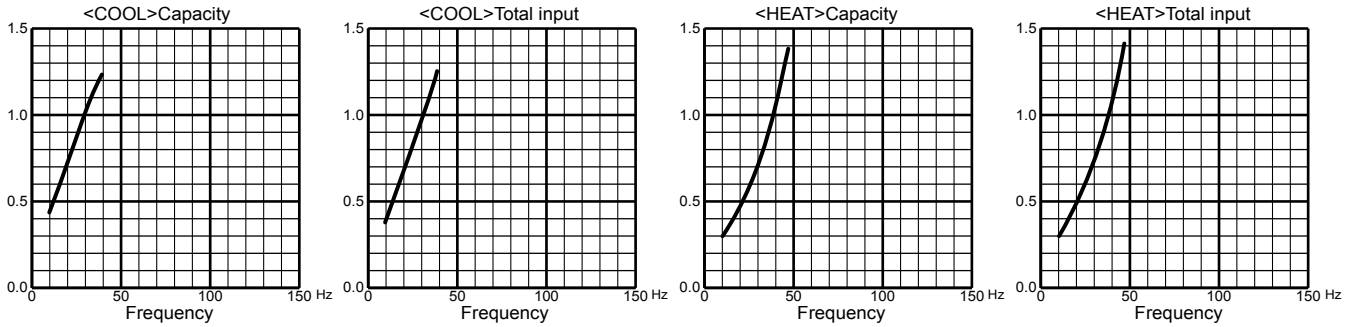

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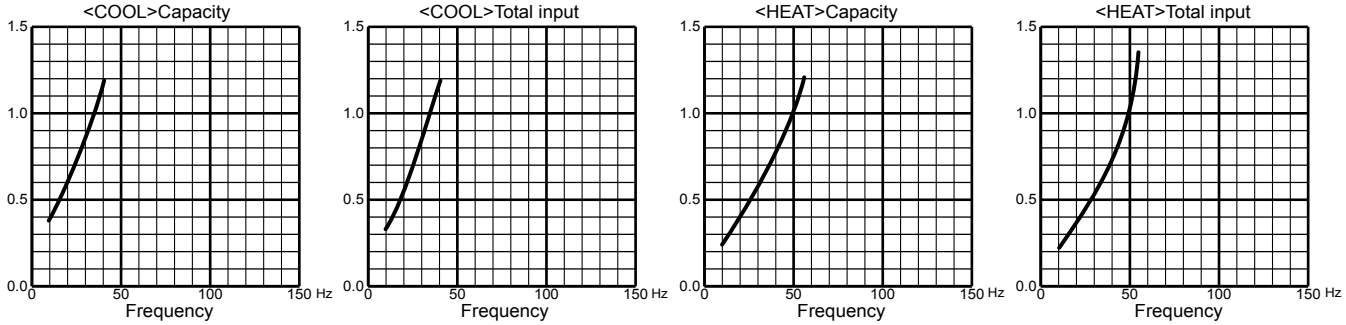

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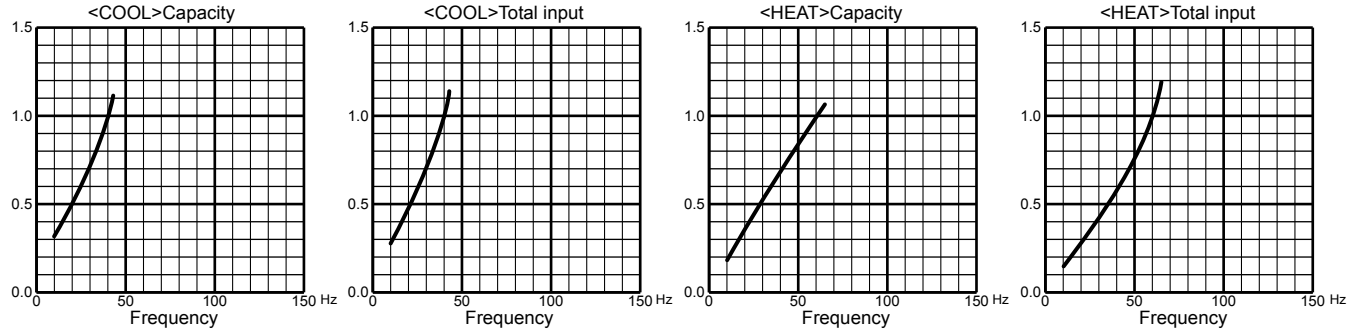

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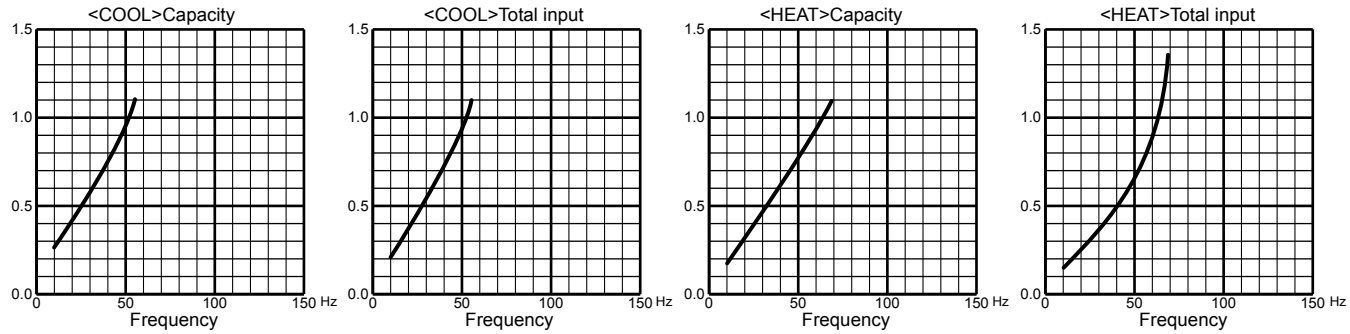

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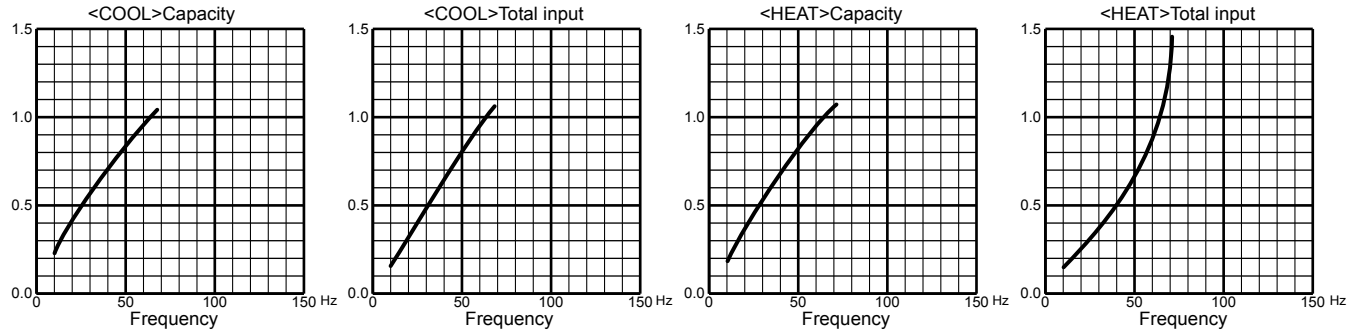

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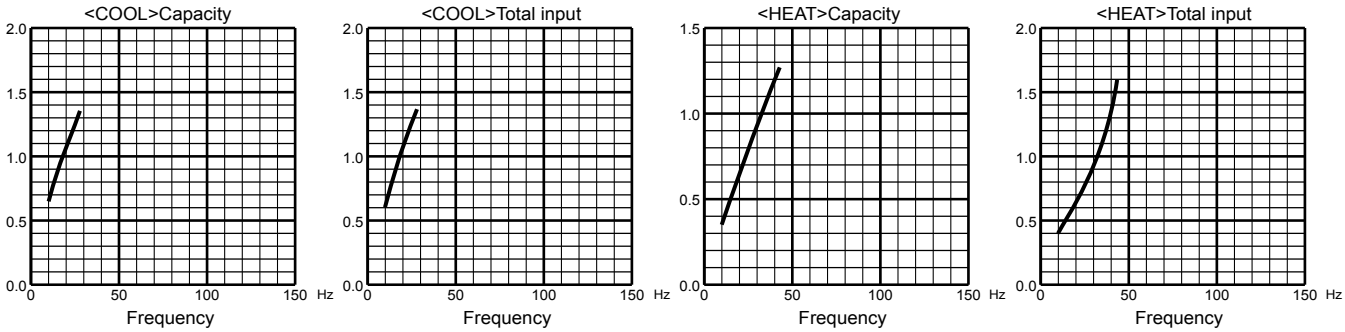

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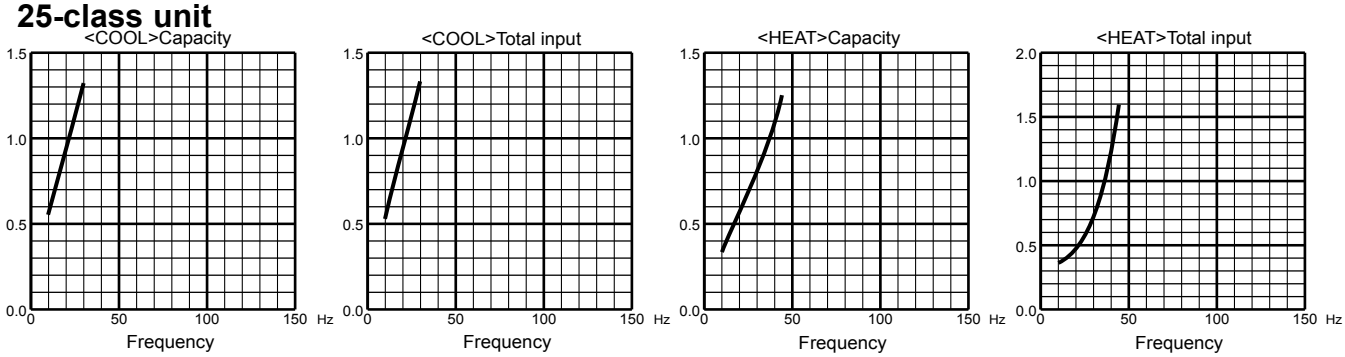

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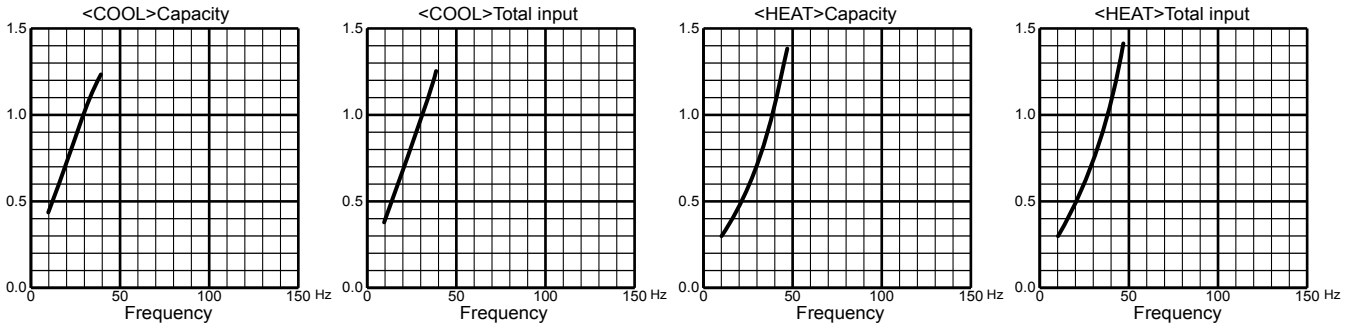

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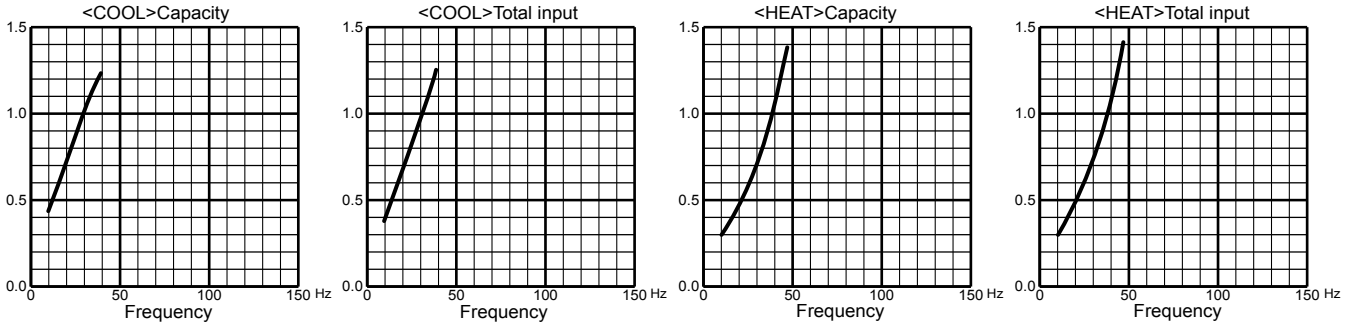

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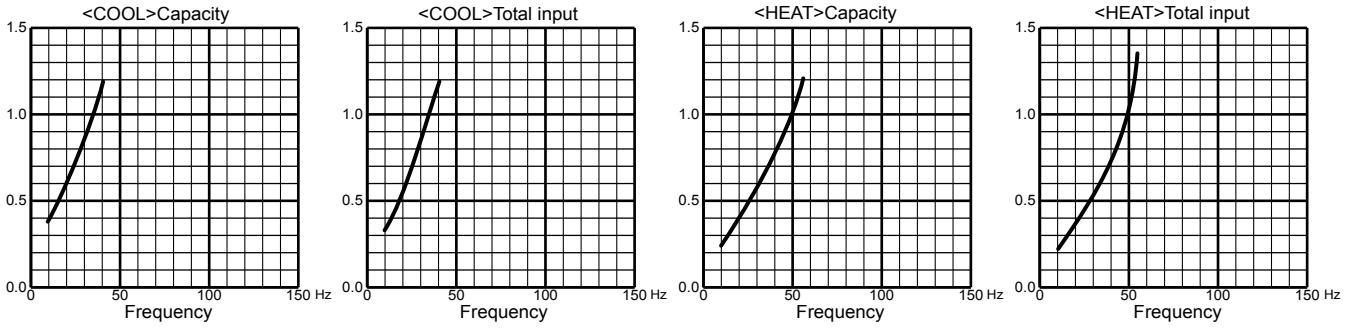

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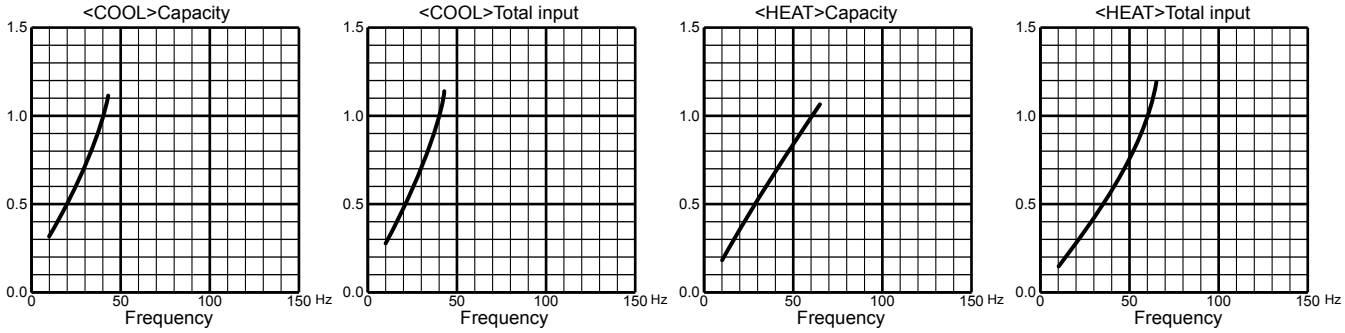

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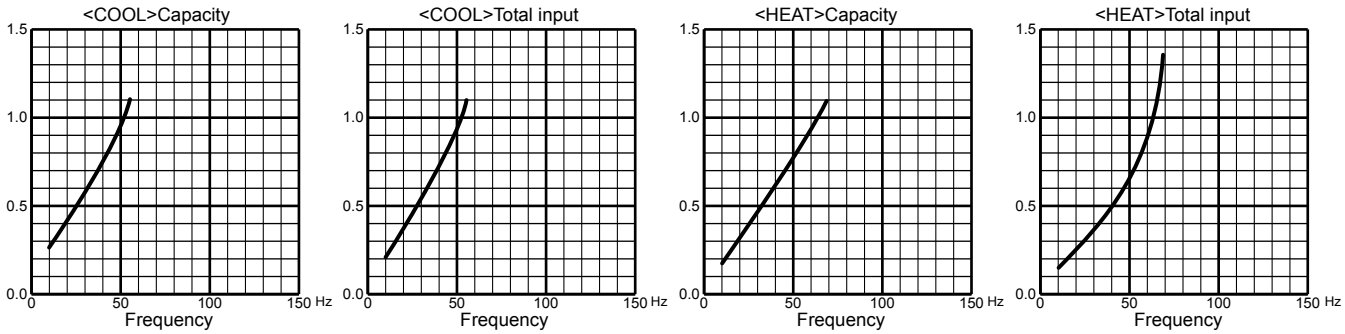

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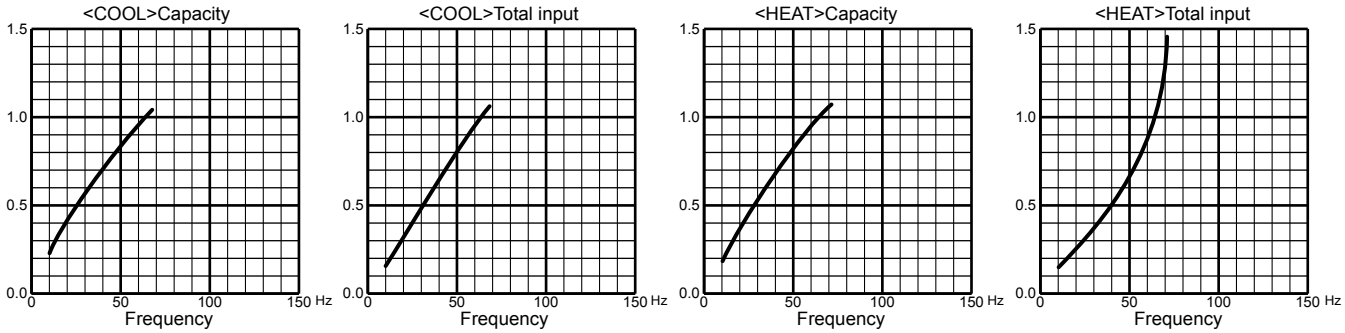


8-3. HOW TO OPERATE FIXED-FREQUENCY OPERATION <Test run operation>

1. Press EMERGENCY OPERATION switch to COOL or HEAT mode (COOL : Press once, HEAT : Press twice).
2. Test run operation starts and continues to operate for 30 minutes.
3. Compressor operates at rated frequency.
4. Indoor fan operates at High speed.
5. After 30 minutes, test run operation finishes and EMERGENCY OPERATION starts (Operation frequency of compressor varies).
6. To cancel test run operation (EMERGENCY OPERATION), press EMERGENCY OPERATION switch or any button on remote controller.

8-4. OUTDOOR LOW PRESSURE AND OUTDOOR UNIT CURRENT CURVE (single operation)

NOTE: The unit of pressure has been changed to MPa on the international system of units (SI unit system).

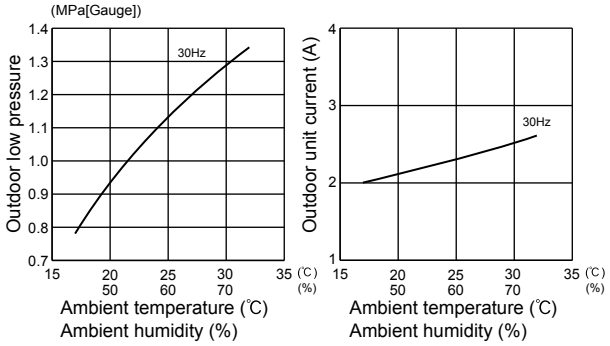
(1) COOL operation

① Both indoor and outdoor units are under the same temperature/humidity condition.
② Operation : TEST RUN OPERATION (Refer to 8-3.)

Dry-bulb temperature (℃)	Relative humidity (%)
20	50
25	60
30	70

MXZ-2D52VA

22-class unit



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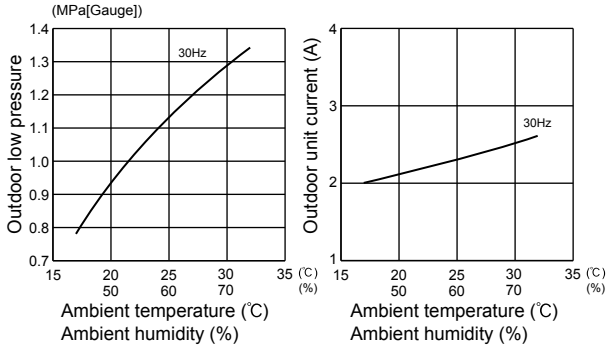

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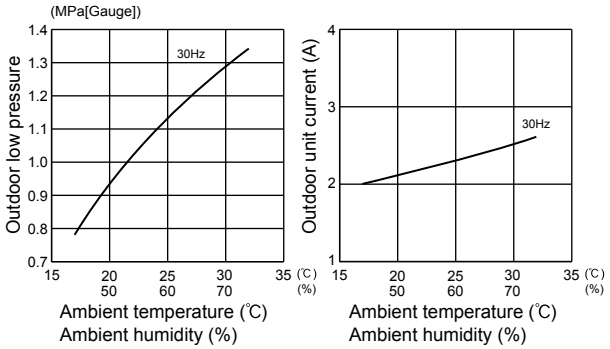

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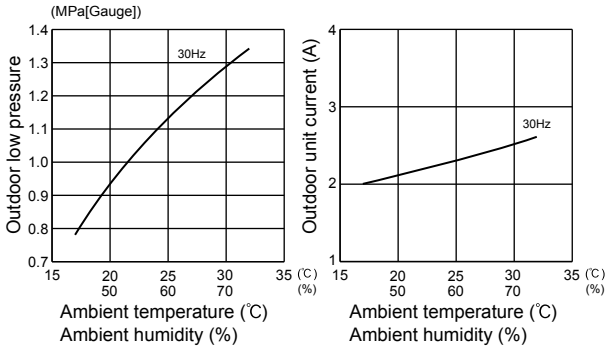

MXZ-2D52VA

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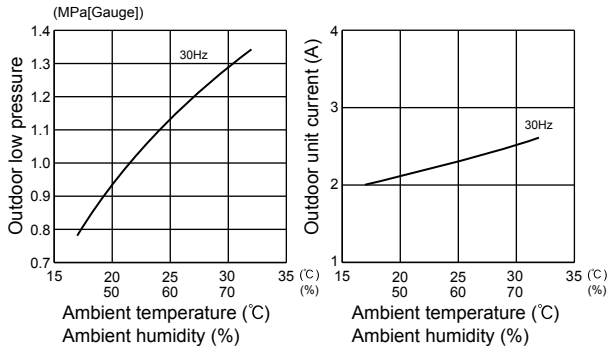

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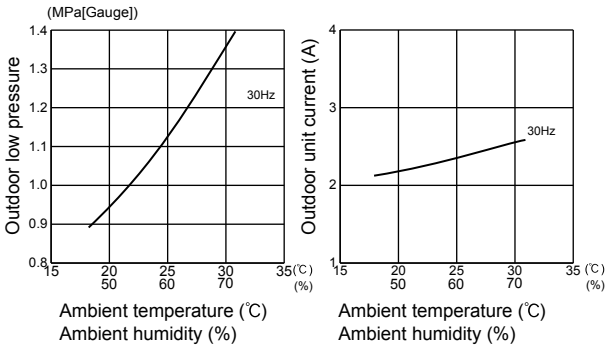

MXZ-3D54VA

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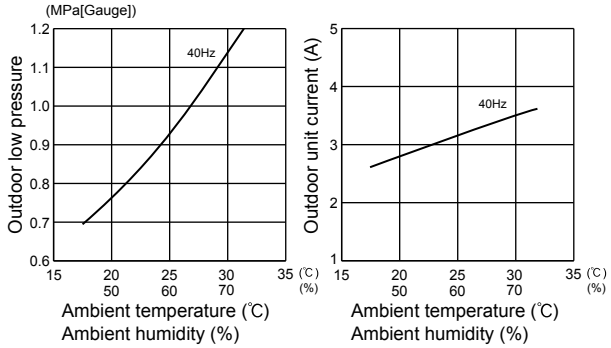

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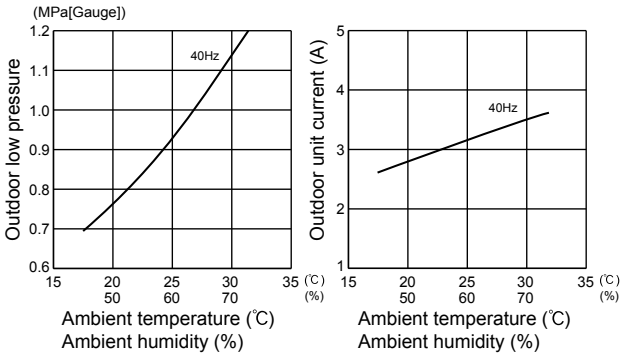

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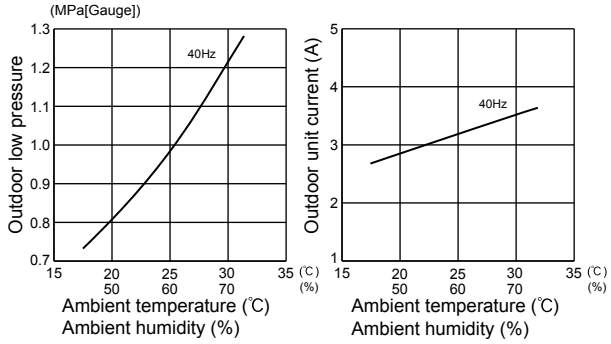

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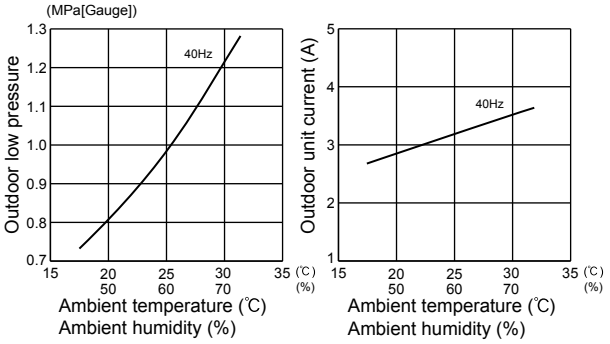

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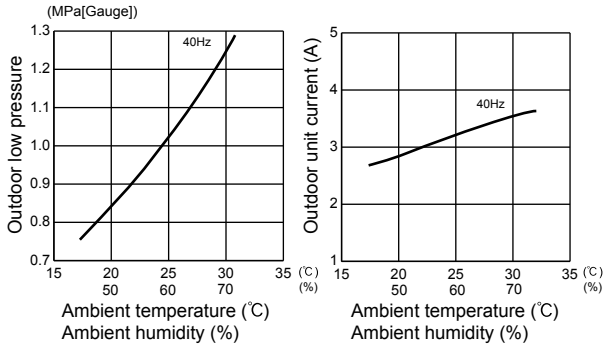

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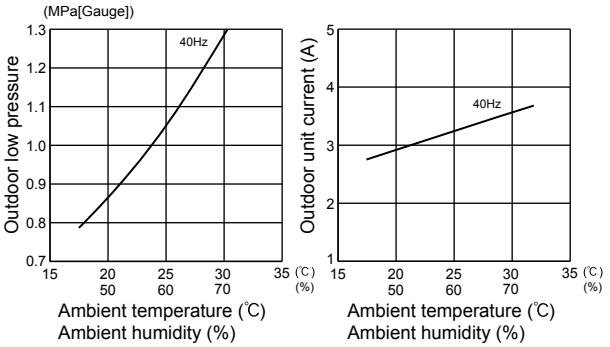

MXZ-4D71VA

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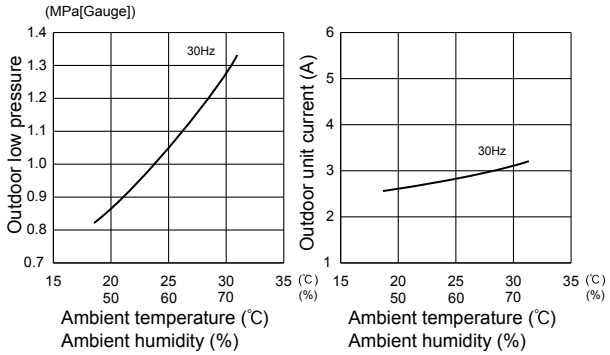

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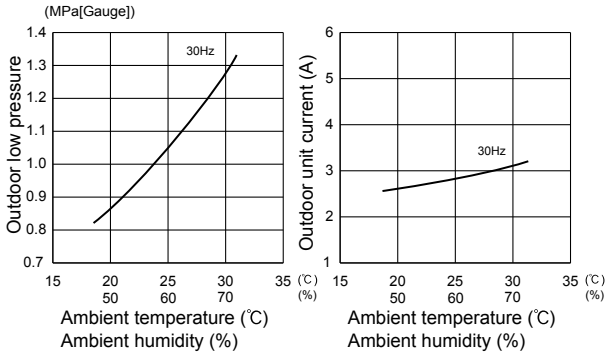

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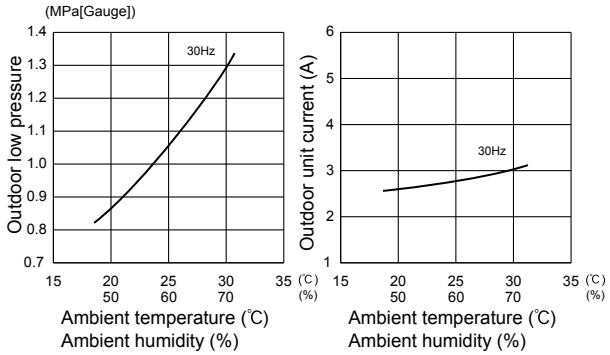

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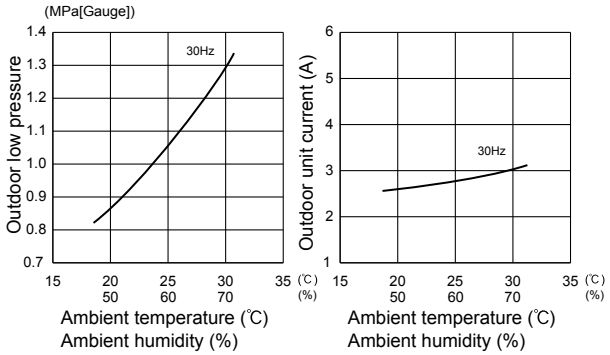

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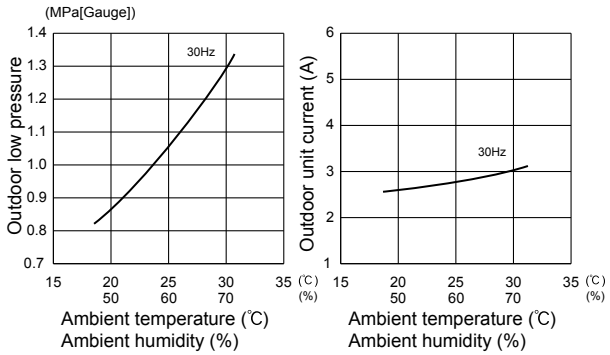

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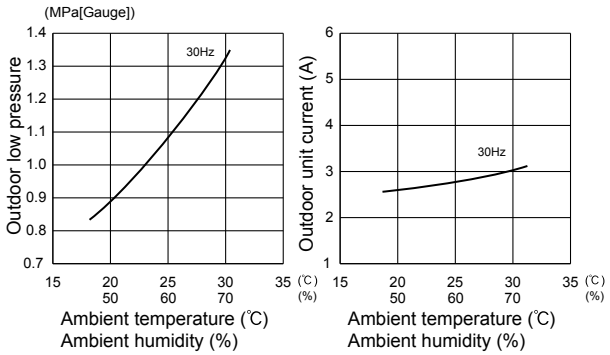

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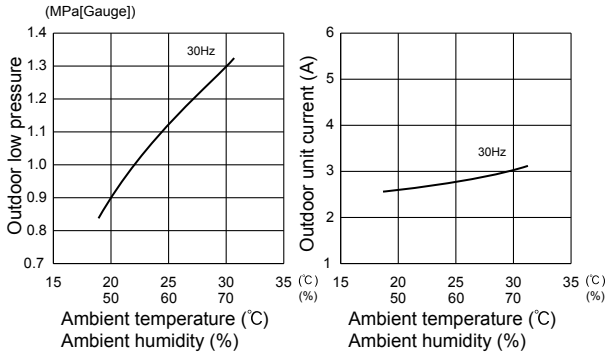

MXZ-4D80VA

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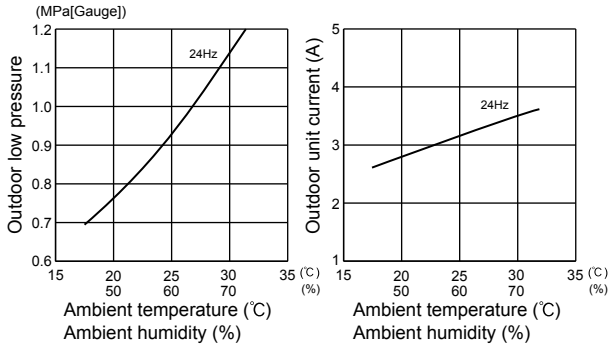

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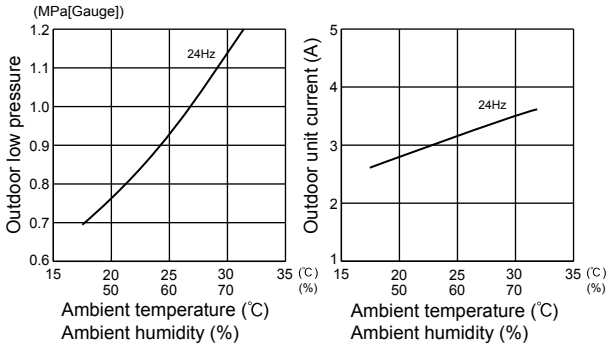

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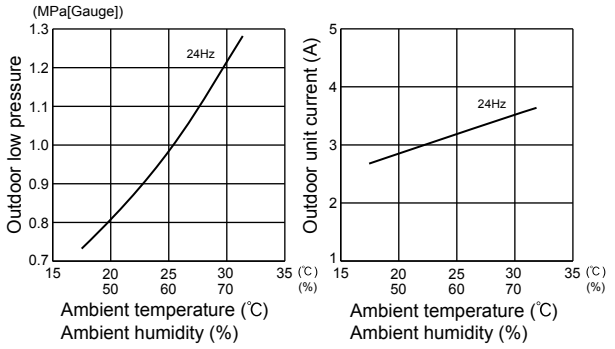

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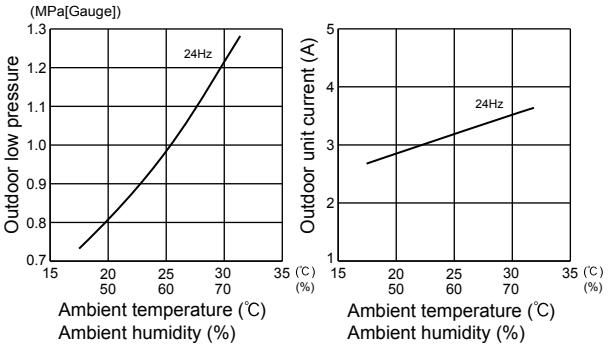

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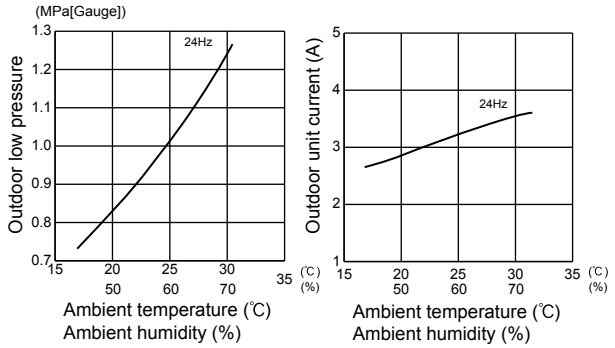

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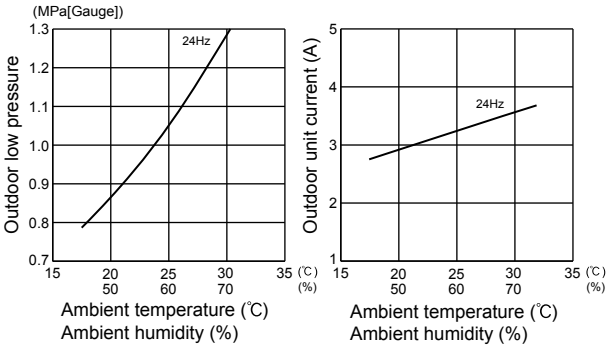

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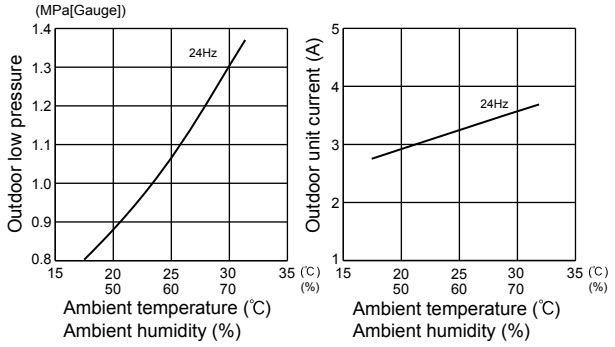

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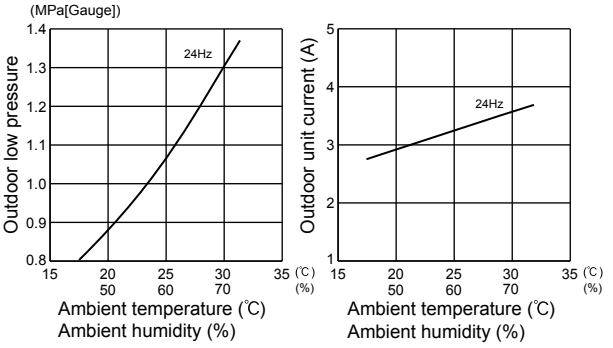

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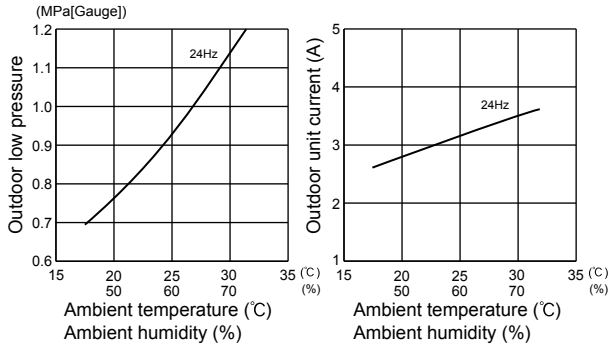

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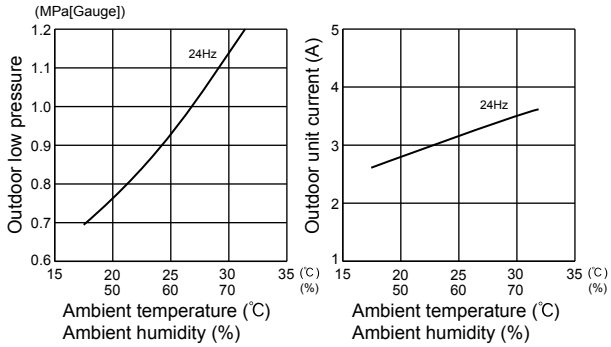

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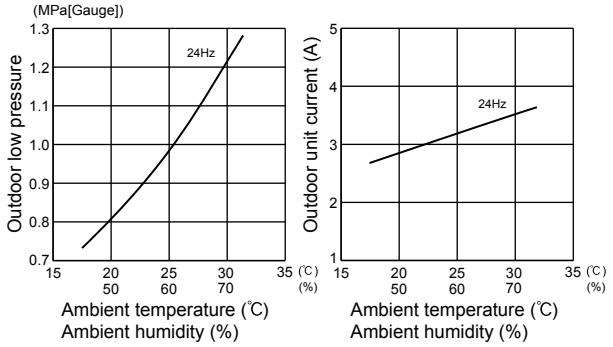

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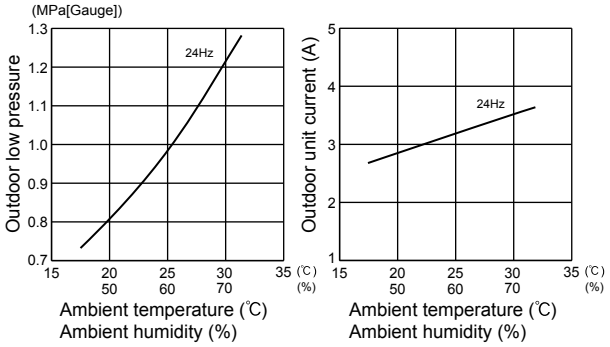

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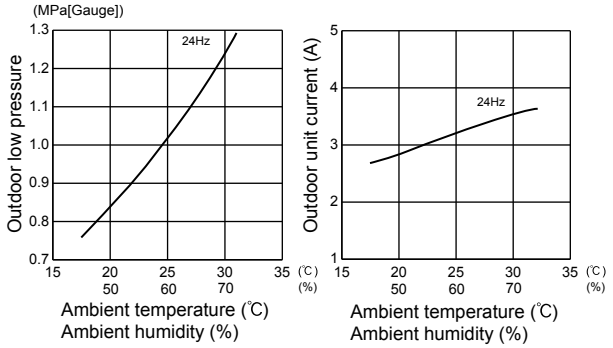

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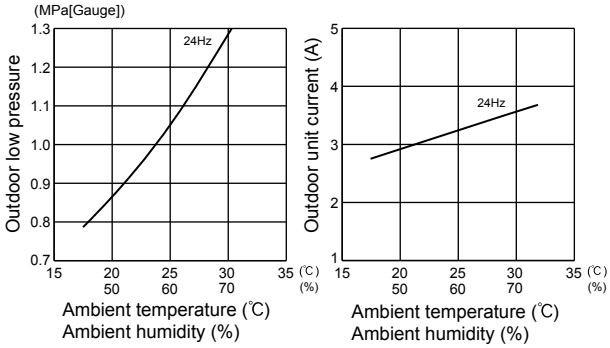

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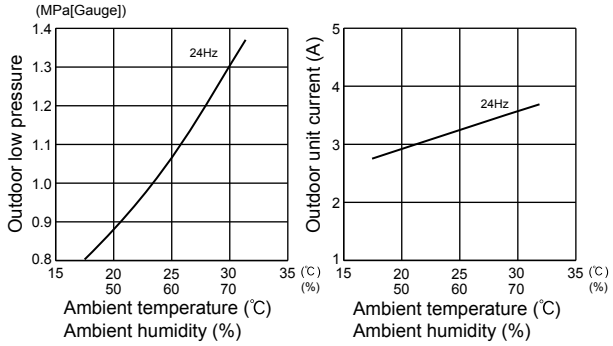

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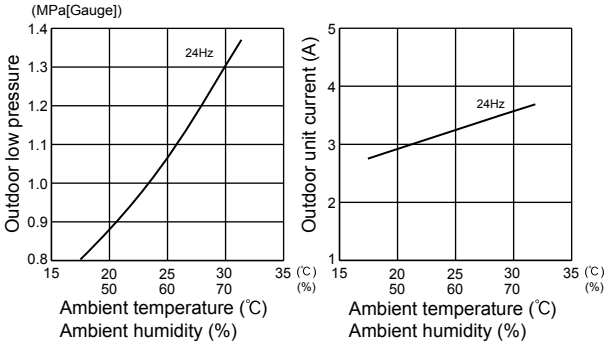


(2) HEAT operation

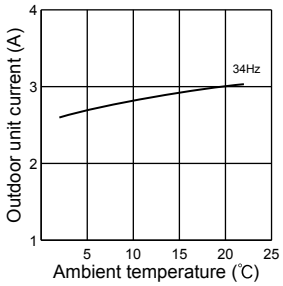
① Condition :

	Indoor	Outdoor			
Dry bulb temperature (°C)	20.0	2	7	15	20.0
Wet bulb temperature (°C)	14.5	1	6	12	14.5

② Operation : TEST RUN OPERATION (Refer to 8-3.)

MXZ-2D52VA

22-class unit



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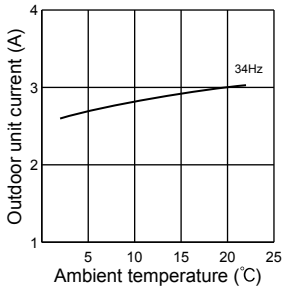
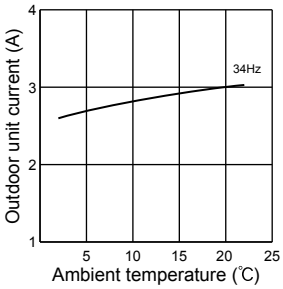


33-class unit



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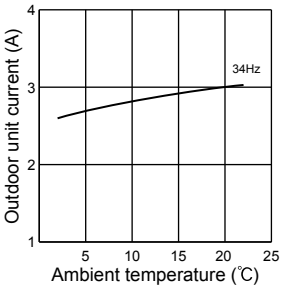

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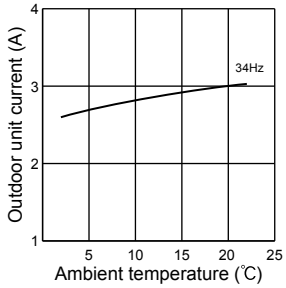

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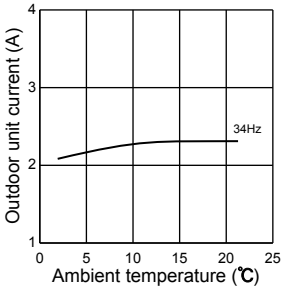

MXZ-3D54VA

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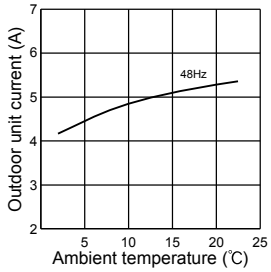

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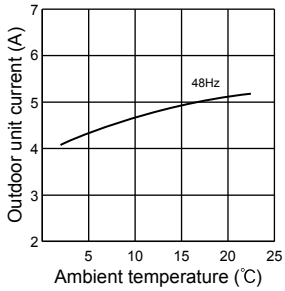

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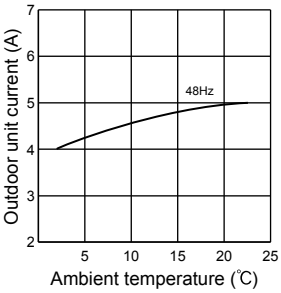

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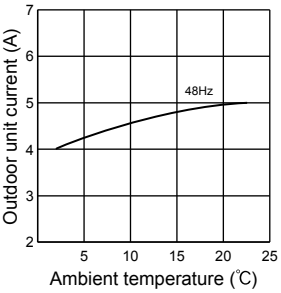

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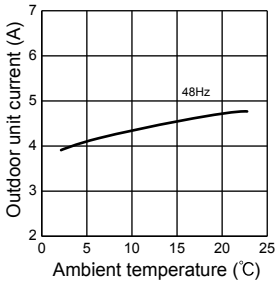

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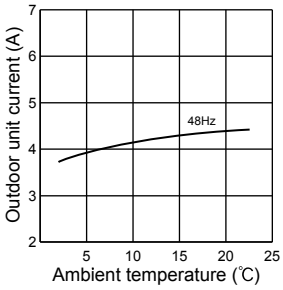

MXZ-4D71VA

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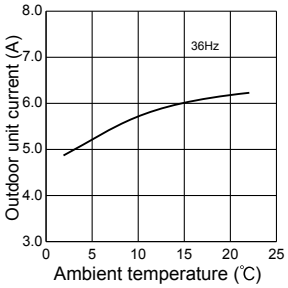

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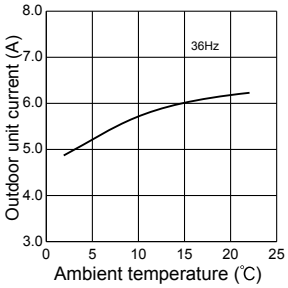

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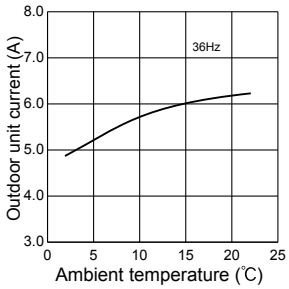

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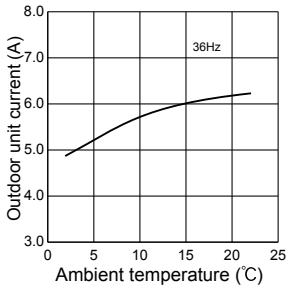

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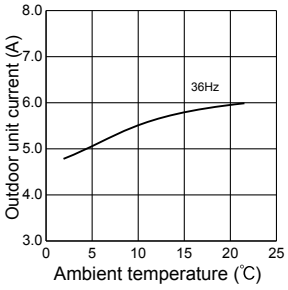

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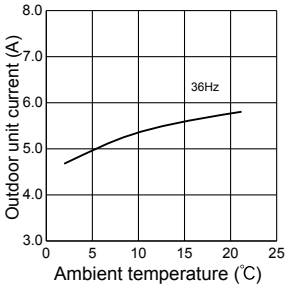

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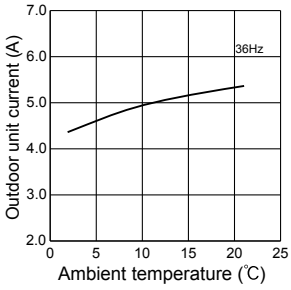
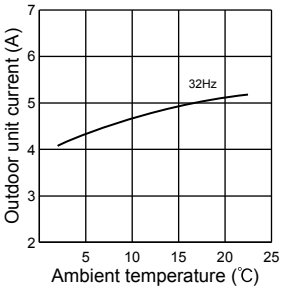


MXZ-4D80VA

22-class unit



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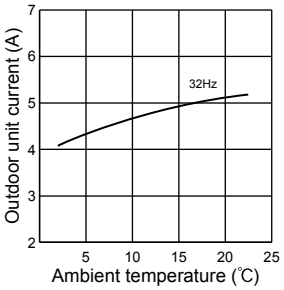

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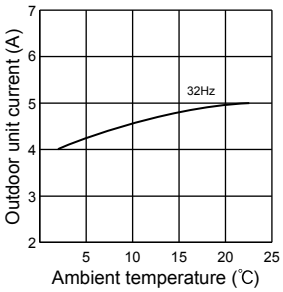

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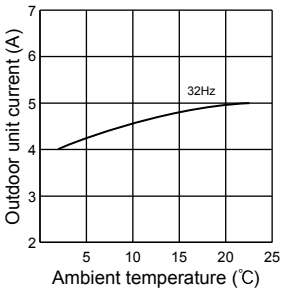

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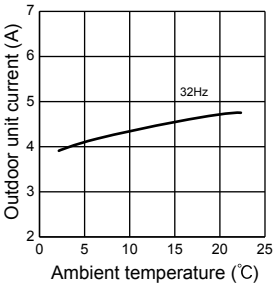

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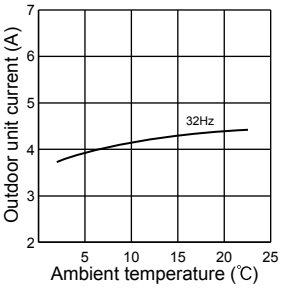

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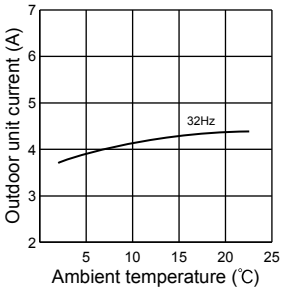

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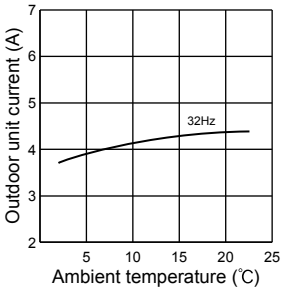
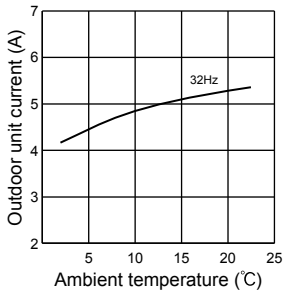


MXZ-5D100VA

22-class unit



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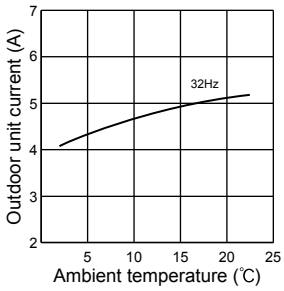

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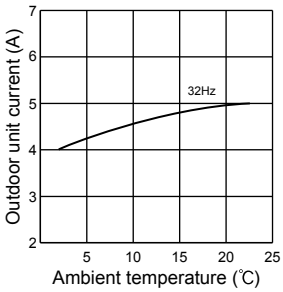

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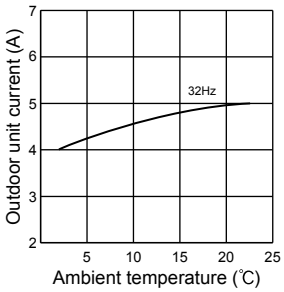

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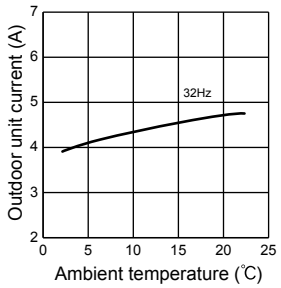

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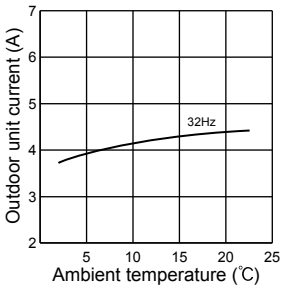

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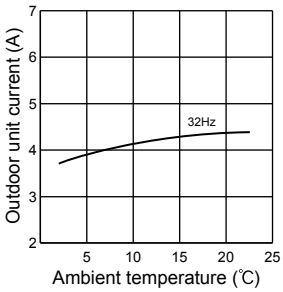
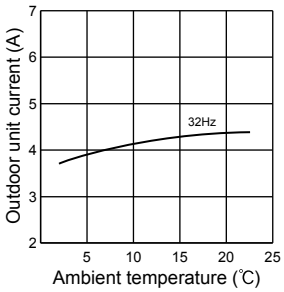


71-class unit



9 ACTUATOR CONTROL

MXZ-2D52VA MXZ-3D54VA MXZ-4D71VA MXZ-4D80VA MXZ-5D100VA

Relation between main sensor and actuator

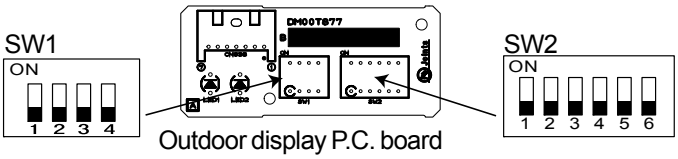
Sensor	Purpose	Actuator			
		Compressor	LEV	Outdoor fan motor	R.V. coil
Discharge temperature thermistor	Protection	○	○		
Indoor coil temperature thermistor	Cooling: Coil frost prevention	○			
	Heating: High pressure protection	○	○		
Defrost thermistor	Heating: Defrosting	○	○	○	○
Fin temperature thermistor	Protection	○		○	
Ambient temperature thermistor	Control/Protection	○	○	○	
Outdoor heat exchanger temperature thermistor	Cooling: Control/Protection	○	○	○	
Capacity code	Control	○	○		

10 SERVICE FUNCTIONS

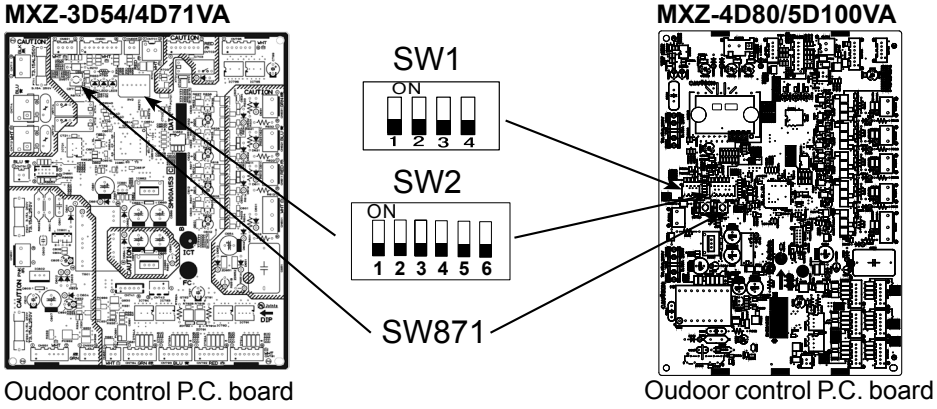
MXZ-2D52VA MXZ-3D54VA MXZ-4D71VA MXZ-4D80VA MXZ-5D100VA

10-1. THE POSITION OF SWITCH

MXZ-2D52VA



MXZ-3D54/4D71VA



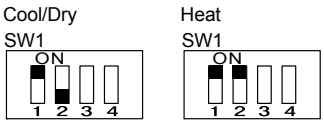
MXZ-4D80/5D100VA

10-2. LOCKING THE OPERATION MODE OF THE AIR CONDITIONER (COOL, DRY, HEAT)

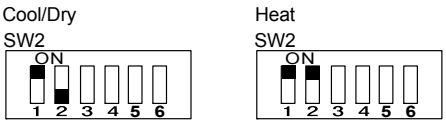
With this function, you can lock the operation mode of the outdoor unit.
Once the operation mode is locked to either COOL/DRY mode or HEAT mode, the air conditioner operates in that mode only.
Default setting is required to activate this function.
Please explain this function to your customers and ask them whether they want to use it.

[How to lock the operation mode]
(1) Turn OFF the breaker and make sure that the LED goes off.
(2) Set SW1 or SW2 as shown in the figure below.
(3) Turn ON the breaker.

MXZ-2D52VA
SW1 on the outdoor display P.C. board
MXZ-4D80VA/5D100VA
SW1 on the outdoor control P.C. board



MXZ-3D54VA/4D71VA
SW2 on the outdoor control P.C. board

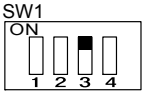


10-3. LOWERING THE OPERATING NOISE OF THE OUTDOOR UNIT

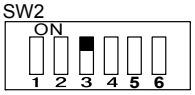
With this function, you can lower the operating noise of the outdoor unit when the operation load is small, for example, during night time in COOL mode.
However, note that the cooling and heating capacity can also be lowered if this function is activated.
Default setting is required to activate this function.
Please explain this function to your customers and ask them whether they want to use it.

[How to lower the operating noise]
(1) Turn OFF the breaker and make sure that the LED goes off.
(2) Set the "3" Switch of SW1 to ON to enable this function. (**MXZ-2D52VA/4D80VA/5D100VA**)
Set the "3" Switch of SW2 to ON to enable this function. (**MXZ-3D54VA/4D71VA**)
(3) Turn ON the breaker.

MXZ-2D52VA
SW1 on the outdoor display P.C. board
MXZ-4D80VA/5D100VA
SW1 on the outdoor control P.C. board



MXZ-3D54VA/4D71VA
SW2 on the outdoor control P.C. board



10-4. AUTOMATIC LINE CORRECTING

This outdoor unit has an automatic line correcting function which automatically detects and corrects improper wiring or piping.

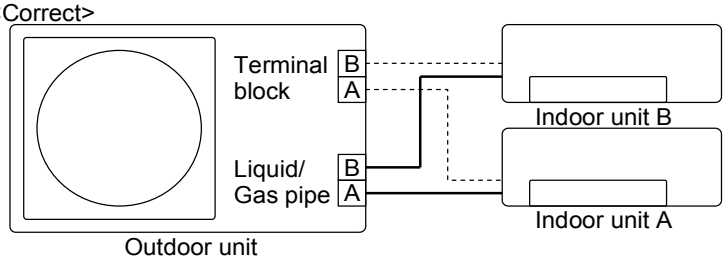
<MXZ-2D52VA>

Improper wiring or piping can be automatically detected when one indoor unit is operated in COOL mode for 30 minutes.
When improper wiring or piping is detected, wiring lines are corrected (A to B/ B to A) with the software.

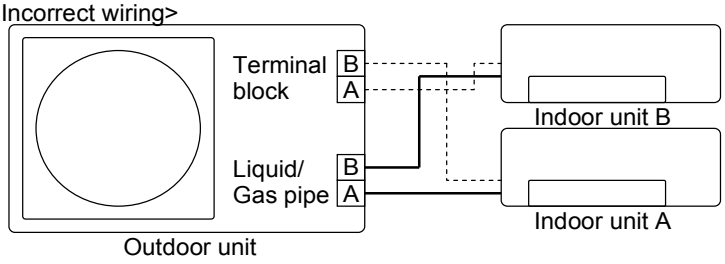
NOTE: This function may not work due to the condition or environment of the unit, such as the following:
- gas leak, closed stop valve
- unit failure such as defective LEV
- indoor/outdoor temperature

NOTE: This function does not work when the "2" of SW2 on the outdoor display P.C. board is turned OFF.

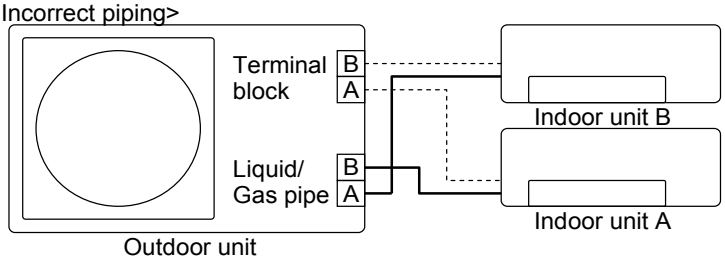
<Correct>



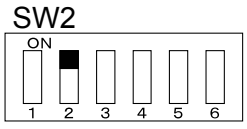
<Incorrect wiring>

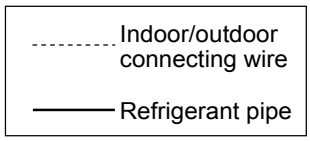


<Incorrect piping>



MXZ-2D52VA
SW2 on the outdoor display P.C. board

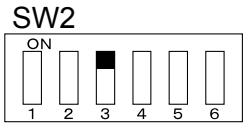




The record of automatic line correcting can be checked in the following way:
(1) Turn OFF the breaker and make sure that the LED goes off.
(2) Turn ON the "3" of SW2 on the outdoor display P.C. board.
(3) Turn ON the breaker.
(4) Check the correction state with the LED lamps on the outdoor display P.C. board.
(5) Turn OFF the breaker and make sure that the LED goes off.
(6) Turn OFF the "3" of SW2 on the outdoor display P.C. board.
(7) Turn ON the breaker.

Number of blinks		Wiring line
LED1 (Red)	LED2 (Yellow)	
Once	Once	Not corrected
3 times	3 times	Corrected

MXZ-2D52VA
SW2 on the outdoor display P.C. board



<MXZ-3D54VA/4D71VA/4D80VA/5D100VA>
Improper wiring or piping can be automatically detected by pressing the piping/wiring correction switch (SW871) on the outdoor control P.C. board.
When improper wiring or piping is detected, wiring lines are corrected.
This will be completed in about 10 to 20 minutes.

[How to activate this function]

1. Check that outside temperature is above 0ºC.
   (This function does not work when outside temperature is not above 0ºC.)
2. Check that the stop valves of the liquid pipe and gas pipe are open.
3. Check that the wiring between indoor and outdoor unit is correct.
   (If the wiring is not correct, this function does not work.)
4. Turn ON the breaker and wait at least 1 minute.
5. Press the piping/wiring correction switch (SW871) on the outdoor P.C. board.
   Do not touch energized parts.

LED indication during detection:

LED1 (Red)	LED2 (Yellow)	LED3 (Green)
Lighted	Lighted	Once

LED indication after detection:

LED1 (Red)	LED2 (Yellow)	LED3 (Green)	Indication
Lighted	Not lighted	Lighted	Completed (Problem corrected/Normal)
Once	Once	Once	Not completed (Detection failed)
Other indications			Refer to "SAFETY PRECAUTIONS WHEN LED FLASHES" located behind the service panel.

Make sure that the valves are open and the pipes are not collapsed or clogged.

6. Press the switch to cancel.
   LED indication after cancel:

LED1 (Red)	LED2 (Yellow)	LED3 (Green)
Lighted	Lighted	Not lighted

NOTE: Indoor unit cannot be operated while this function is activated.
When this function is activated while indoor unit is operating, the operation will be stopped.
Operate indoor unit after the automatic line correcting is finished.
Pressing the switch during detection cancels this function.

The record of automatic line correcting can be checked in the following way:
Press the switch for more than 5 seconds
LED will show the record of automatic correcting for about 30 seconds as shown in the table below:

Number of blinks			Wiring line
LED1 (Red)	LED2 (Yellow)	LED3 (Green)	
Once	Once	Lighted	Not corrected
3 times	3 times	Lighted	Corrected

NOTE: Activate this function to check the correct wiring after replacing the outdoor P.C. board.
(Previous records are deleted when the outdoor control P.C. board is replaced.)
The record cannot be shown if automatic line correcting is not cancelled (Refer to "How to activate this function").

10-5. PRE-HEAT CONTROL

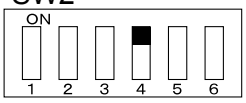
If moisture gets into the refrigerant cycle, or when refrigerant is liquefied and collected in the compressor, it may interfere the start-up of the compressor. To improve start-up condition, the compressor is energized even while it is not operating to generate heat at the winding.
The compressor uses about 50 W when pre-heat control is turned ON. Pre-heat control is OFF(**MXZ-2D52VA**) / ON (**MXZ-3D54VA/4D71VA/4D80VA/5D100VA**) at the default setting.

[How to activate pre-heat control]
(1) Turn OFF the breaker and make sure that the LED goes off.
(2) Set the “4” of SW2 as shown figure below to ON to activate pre-heat control function.
(3) Turn ON the breaker.

MXZ-2D52VA
SW2 on the outdoor display P.C. board

MXZ-3D54VA/4D71VA
MXZ-4D80VA/5D100VA
SW2 on the outdoor control P.C. board

SW2



NOTE: Pre-heat control will be turned OFF when the breaker is turned OFF.

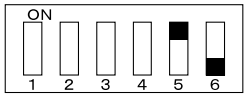
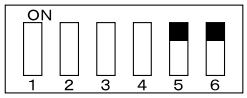
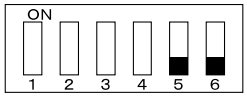
10-6. CHANGING THE AMPERE LIMIT

With this function, you can change the current that flows in the outdoor unit.

NOTE: Use this function only when the amount of current exceeds the allowed value.

[How to change the ampere limit]
(1) Turn OFF the breaker and make sure that the LED goes off.
(2) Set SW2 as shown in the table below.
(3) Turn ON the breaker.

MXZ-4D80VA/5D100VA
SW2 on the outdoor control P.C. board

SW2	**MXZ-4D80VA/5D100VA**
	10.5 A
	15.5 A
	Default setting Full

11 TROUBLESHOOTING

MXZ-2D52VA MXZ-3D54VA MXZ-4D71VA MXZ-4D80VA MXZ-5D100VA

11-1. CAUTIONS ON TROUBLESHOOTING

1. Before troubleshooting, check the following:

1) Check the power supply voltage.
2) Check the indoor/outdoor connecting wire for miswiring.

2. Take care of the following during servicing

1) Before servicing the air conditioner, be sure to turn OFF the unit first with the remote controller, and after confirming the horizontal vane is closed, turn OFF the breaker and/or disconnect the power plug.
2) Be sure to turn OFF the power supply before removing the front panel, the cabinet, the top panel, and the P.C. board.
3) When removing the electrical parts, be careful of the residual voltage of smoothing capacitor.
4) When removing the P.C. board, hold the edge of the board with care NOT to apply stress on the components.
5) When connecting or disconnecting the connectors, hold the housing of the connector. DO NOT pull the lead wires.

<Incorrect> <Correct>

Lead wiring **Housing point**

3. Troubleshooting procedure

1) Check if the OPERATION INDICATOR lamp on the indoor unit is flashing on and off to indicate an abnormality. To make sure, check how many times the OPERATION INDICATOR lamp is flashing on and off before starting service work.
2) Before servicing, check that the connector and terminal are connected properly.
3) When the P.C. board seems to be defective, check the copper foil pattern for disconnection and the components for bursting and discoloration.
4) Refer to 11-2, 11-3 and 11-4.

11-2. FAILURE MODE RECALL FUNCTION

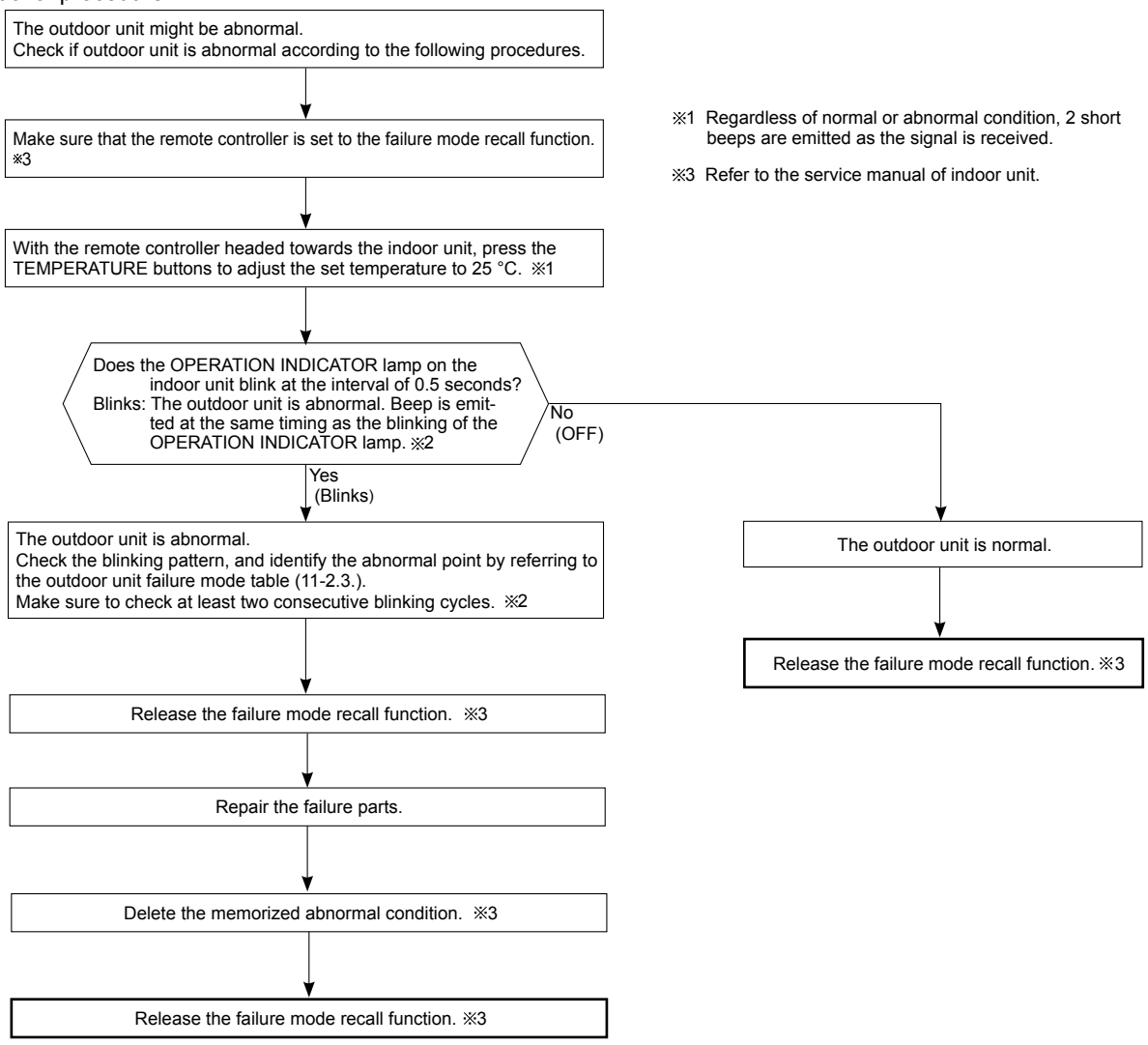
This air conditioner can memorize the abnormal condition which has occurred once.
Even though LED indication listed on the troubleshooting check table (11-4.) disappears, the memorized failure details can be recalled.

1. Flow chart of failure mode recall function for the indoor/outdoor unit

Refer to the service manual of indoor unit.

2. Flow chart of the detailed outdoor unit failure mode recall function

Operational procedure

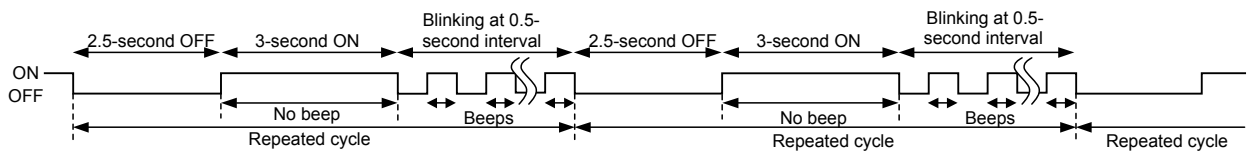

The outdoor unit might be abnormal.
Check if outdoor unit is abnormal according to the following procedures.
Make sure that the remote controller is set to the failure mode recall function. ※3
With the remote controller headed towards the indoor unit, press the TEMPERATURE buttons to adjust the set temperature to 25 °C. ※1
Does the OPERATION INDICATOR lamp on the indoor unit blink at the interval of 0.5 seconds?
Blinks: The outdoor unit is abnormal. Beep is emitted at the same timing as the blinking of the OPERATION INDICATOR lamp. ※2
No (OFF)
Yes (Blinks)
The outdoor unit is abnormal.
Check the blinking pattern, and identify the abnormal point by referring to the outdoor unit failure mode table (11-2.3.).
Make sure to check at least two consecutive blinking cycles. ※2
The outdoor unit is normal.
Release the failure mode recall function. ※3
Release the failure mode recall function. ※3
Repair the failure parts.
Delete the memorized abnormal condition. ※3
Release the failure mode recall function. ※3

※1 Regardless of normal or abnormal condition, 2 short beeps are emitted as the signal is received.

※3 Refer to the service manual of indoor unit.

NOTE: 1. Make sure to release the failure mode recall function after it is set up, otherwise the unit cannot operate properly.
2. If the abnormal condition is not deleted from the memory, the last abnormal condition is kept memorized.

※2.Blinking pattern when outdoor unit is abnormal:



3. Outdoor unit failure mode table

MXZ-2D

Upper or left lamp of OPERATION INDICATOR lamp (Indoor unit)	Abnormal point (Failure mode/protection)	LED indication (Outdoor P.C. board) LED 1	LED 2	Condition	Remedy	Indoor/ outdoor unit failure mode recall function
OFF	None (Normal)	Not lighted	Not lighted	—	—	—
2-time flash	Outdoor power system	Lighted	Lighted	Overcurrent protection cut-out operates 3 consecutive times within 1 minute after the compressor gets started. Compressor protection cut-out operates 24 consecutive times within 10 seconds after the compressor gets started.	• Check the compressor connecting wire. • Refer to 11-6. Ⓒ "Check of inverter/compressor". • Check the stop valve.	○
3-time flash	Discharge temperature thermistor	Lighted	Once	Thermistor shorts or opens during compressor running.	• Refer to 11-6. Ⓓ "Check of outdoor thermistors".	○
	Defrost thermistor	Lighted	Once			○
	Ambient temperature thermistor	Lighted	Twice			○
	Fin temperature thermistor	Lighted	3 times			○
	P.C. board temperature thermistor	Lighted	4 times		• Replace the inverter P.C. board.	○
	Outdoor heat exchanger temperature thermistor	Lighted	9 times		• Refer to 11-6. Ⓓ "Check of outdoor thermistors".	○
4-time flash	Overcurrent	Once	Not lighted	The overcurrent flows into intelligent power module.	• Check the compressor connecting wire. • Refer to 11-6. Ⓒ "Check of inverter/compressor". • Check the stop valve.	—
	Compressor	Twice	Not lighted	The overcurrent flows into intelligent power module within 10 seconds after the compressor gets started. (The compressor gets restarted in 15 seconds.)	• Check the compressor connecting wire. • Refer to 11-6. Ⓒ "Check of inverter/compressor".	—
		9 times	Not lighted	Waveform of compressor current is distorted.		—
5-time flash	Discharge temperature	Lighted	Lighted	Discharge temperature exceeds 116 ºC during operation.	• Check the refrigerant circuit and the refrigerant amount. • Refer to 11-6. Ⓔ "Check of LEV".	—
6-time flash	High pressure	Lighted	Lighted	The outdoor heat exchanger temperature exceeds 70 ºC during cooling or the indoor gas pipe temperature exceeds 70 ºC during heating.	• Check the refrigerant circuit and the refrigerant amount. • Check the stop valve.	—
7-time flash	Fin temperature	3 times	Not lighted	The fin temperature exceeds 90 ºC during operation.	• Check the around outdoor unit. • Check the outdoor unit air passage.	—
	P.C. board temperature	4 times	Not lighted	The P.C. board temperature exceeds 80 ºC during operation.	• Refer to 11-6. Ⓕ "Check of outdoor fan motor".	—
8-time flash	Outdoor fan motor	Lighted	Lighted	Failure occurs 3 consecutive times within 30 seconds after the fan gets started.	• Refer to 11-6. Ⓕ "Check of outdoor fan motor".	—
9-time flash	Nonvolatile memory data	Lighted	5 times	Nonvolatile memory data cannot be read properly.	• Replace the inverter P.C. board.	○
	Power module	7 times	Not lighted	The output of the power module that drove the compressor was shorted or the winding of the compressor was shorted.	• Refer to 11-6. Ⓒ "Check of inverter/compressor".	○
10-time flash	Discharge temperature	Lighted	Lighted	The discharge temperature is kept under 50 ºC (COOL mode)/40 ºC (HEAT mode) for more than 40 minutes.	• Check the refrigerant circuit and the refrigerant amount. • Refer to 11-6. Ⓔ "Check of LEV".	—
11-time flash	Current sensor	8 times	Not lighted	The sensor circuit of current of compressor shorts or opens during compressor operate.	• Replace the inverter P.C. board.	○
	Bus-bar voltage	6 times	Not lighted	The bus-bar voltage exceeds 430 V or falls to 50 V or below during compressor operating.	• Check the power supply. • Replace the inverter P.C. board.	○
14-time flash	Stop valve	Lighted	12 times	Closed valve is detected by compressor current.	• Check the stop valve. • Check the refrigerant circuit and the refrigerant amount.	○

NOTE: Blinking patterns of this mode differ from the ones of Troubleshooting check table (11-4).

MXZ-3D/4D/5D

Upper or left lamp of OPERATION INDICATOR lamp (Indoor unit)	Abnormal point (Failure mode/protection)	LED indication (Outdoor P.C. board) LED 1	LED 2	Condition	Remedy	Indoor/outdoor unit failure mode recall function
OFF	None (Normal)	Lighted	Lighted	———	———	———
2-time flash	Outdoor power system	Lighted	Lighted	Overcurrent protection cut-out operates 3 consecutive times within 1 minute after the compressor gets started, or converter protection or bus-bar voltage protection cut-out operates 3 consecutive times within 3 minutes after start-up.	• Check the connection of the compressor connecting wire. • Refer to 11-6. Ⓔ "How to check inverter/compressor". • Check the stop valve.	○
3-time flash	Discharge temperature thermistor	Lighted	Once	Thermistor shorts or opens during compressor running.	• Refer to 11-6. Ⓕ "Check of outdoor thermistors".	○
	Defrost thermistor	Lighted	Once			
	Ambient temperature thermistor	Lighted	Twice			
	Fin temperature thermistor	Lighted	3 times			
	P.C. board temperature thermistor	Lighted	4 times		• Replace the outdoor control P.C. board.	
	Outdoor heat exchanger temperature thermistor	Lighted	9 times		• Refer to 11-6. Ⓕ"Check of outdoor thermistors".	
4-time flash	Overcurrent	Once	Not lighted	28 A current flows into intelligent power module.	• Reconnect compressor connector. • Refer to 11-6. Ⓔ "How to check inverter/compressor". • Check the stop valve.	———
5-time flash	Discharge temperature	Lighted	Lighted	Discharge temperature exceeds 116°C during operation. Compressor can restart if discharge temperature thermistor reads 100°C or less 3 minutes later.	• Check the refrigerant circuit and the refrigerant amount. • Refer to 11-6. Ⓓ "Check of LEV".	———
6-time flash	High pressure	Lighted	Lighted	High-pressure is detected with the high-pressure switch (HPS) during operation. (**MXZ-4D71/4D80/5D100VA**)	• Check the refrigerant circuit and the refrigerant amount. • Check the stop valve.	———
				The outdoor heat exchanger temperature exceeds 70°C during cooling or the indoor gas pipe temperature exceeds 70°C during heating.		
7-time flash	Fin temperature	3 times	Not lighted	The fin temperature exceeds 89°C during operation.	• Check the around outdoor unit. • Check the outdoor unit air passage. • Refer to 11-6. Ⓖ "Check of outdoor fan motor".	———
	P.C. board temperature	4 times	Not lighted	The P.C. board temperature exceeds 73°C (**MXZ-3D54/4D71VA**)/ 87°C (**MXZ-4D80/5D100VA**) during operation.		
8-time flash	Outdoor fan motor	Lighted	Lighted	Failure occurs 3 consecutive times within 30 seconds after the fan gets started.	• Refer to 11-6. Ⓖ "Check of outdoor fan motor".	———
9-time flash	Nonvolatile memory data	Lighted	5 times	Nonvolatile memory data cannot be read properly.	• Replace the outdoor control P.C. board.	○
10-time flash	Discharge temperature	Lighted	Lighted	The frequency of the compressor is kept 80Hz or more and the discharge temperature is kept under 50°C (cooling)/40°C (heating) for more than 40 minutes.	• Check the refrigerant circuit and the refrigerant amount. • Refer to 11-6. Ⓓ "Check of LEV".	———

NOTE: Blinking patterns of this mode differ from the ones of Troubleshooting check table (11-4).

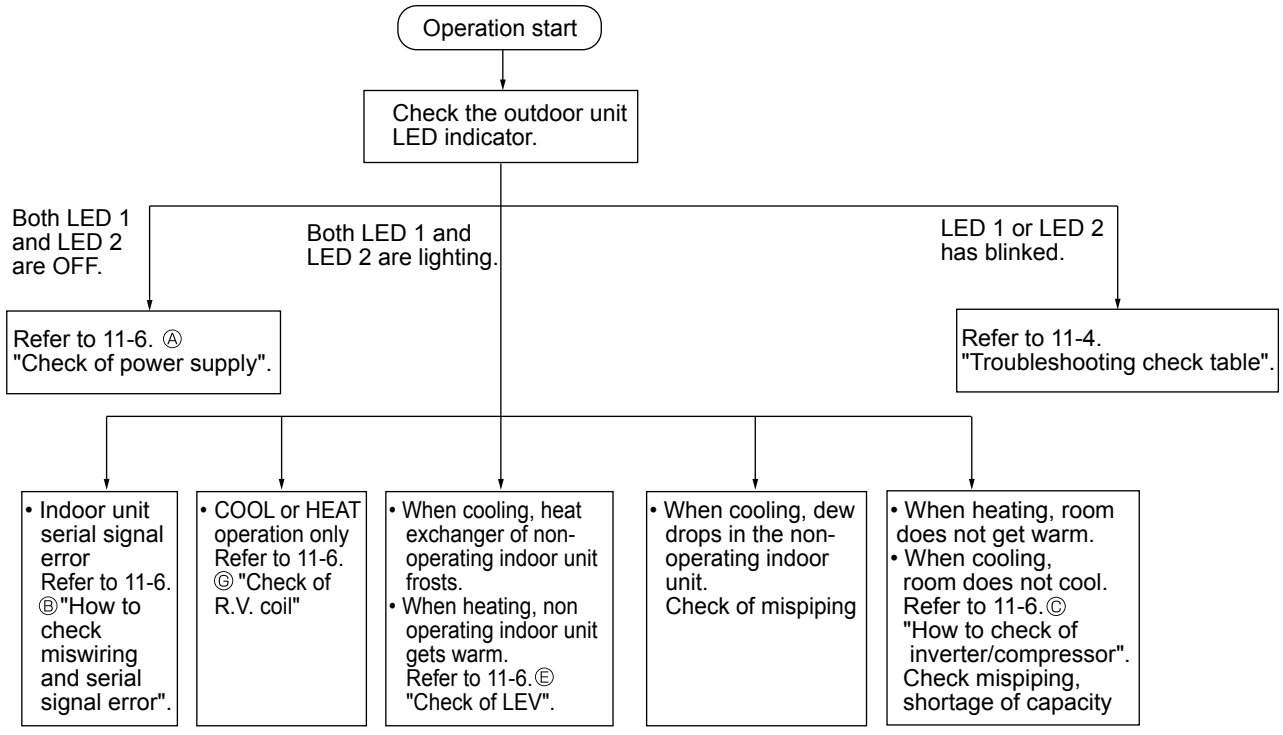
Upper or left lamp of OPERATION INDICATOR lamp (Indoor unit)	Abnormal point (Failure mode/protection)	LED indication (Outdoor P.C. board) LED 1	LED 2	Condition	Remedy	Indoor/outdoor unit failure mode recall function
11-time flash	Communication error between P.C. boards	Lighted	6 times	Communication error occurs between the electronic control P.C. board and power board for more than 10 seconds.	• Check the connecting wire between the outdoor control P.C. board and the power P.C. board.	———
				The communication between boards protection cut-out operates 2 consecutive times.		○
	Current sensor	Lighted	7 times	A short or open circuit is detected in the current sensor during compressor operating.	• Replace the power P.C. board.	———
				Current sensor protection cut-out operates 2 consecutive times.		○
	Zero cross detecting circuit	5 times	Not lighted	Zero cross signal cannot be detected while the compressor is operating.	• Check the connecting wire between the control P.C. board, the noise filter P.C. board and the power P.C. board.	———
				The protection cut-out of the zero cross detecting circuit operates 10 consecutive times.		○
	Converter	5 times	Not lighted	A failure is detected in the operation of the converter during operation.	• Check the voltage of the power supply. • Replace the power P.C. board.	———
	Bus-bar voltage (1)	5 times	Not lighted	The bus-bar voltage exceeds 400 V or falls to 200 V or below during compressor operating.		
	Bus-bar voltage (2) ※ Even if this protection stop is performed continuously three times, it does not mean the abnormality in outdoor power system.	6 times	Not lighted	The bus-bar voltage exceeds 400 V **(MXZ-3D54/4D71VA)** 430 V **(MXZ-4D80/5D100VA)** or falls to 50V or below during compressor operating.	• Check the voltage of the power supply. • Replace the outdoor control P.C. board.	
15-time flash	LEV and drain pump	Lighted	Lighted	The indoor unit detects an abnormality in the LEV and drain pump.	• Refer to 11-6. Ⓓ "Check of LEV". • Check the drain pump of the indoor unit.	———

NOTE: Blinking patterns of this mode differ from the ones of "Troubleshooting check table" (11-4).

11-3. INSTRUCTION OF TROUBLESHOOTING

• Check the indoor unit by referring to the indoor unit service manual, and confirm whether there is any problem in the indoor unit.

Then, check the outdoor unit by referring to this page.


Operation start
Check the outdoor unit LED indicator.
Both LED 1 and LED 2 are OFF.
Both LED 1 and LED 2 are lighting.
LED 1 or LED 2 has blinked.
Refer to 11-6. Ⓐ "Check of power supply".
Refer to 11-4. "Troubleshooting check table".
• Indoor unit serial signal error Refer to 11-6. Ⓑ "How to check miswiring and serial signal error".
• COOL or HEAT operation only Refer to 11-6. Ⓖ "Check of R.V. coil"
• When cooling, heat exchanger of non-operating indoor unit frosts.
• When heating, non operating indoor unit gets warm. Refer to 11-6. Ⓔ "Check of LEV".
• When cooling, dew drops in the non-operating indoor unit. Check of mispiping
• When heating, room does not get warm.
• When cooling, room does not cool. Refer to 11-6. Ⓒ "How to check of inverter/compressor". Check mispiping, shortage of capacity

11-4. TROUBLESHOOTING CHECK TABLE

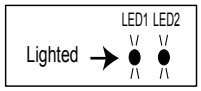
MXZ-2D

No.	Symptom	Indication		Abnormal point / Condition	Condition	Remedy
		LED1(Red)	LED2(Yellow)			
1	Outdoor unit does not operate.	Lighted	Once	LEV and drain pump	The indoor unit detects an abnormality in the LEV and drain pump.	• Refer to 11-6. Ⓔ "Check of LEV". • Check the drain pump of the indoor unit.
2		Lighted	Twice	Outdoor power system	Overcurrent protection cut-out operates 3 consecutive times within 1 minute after the compressor gets started.	• Check the connection of the compressor connecting wire. • Refer to 11-6. Ⓒ "How to check inverter/compressor". • Check the stop valve.
3		Lighted	3 times	Discharge temperature thermistor	A short circuit is detected in the thermistor during operation, or when an open circuit is detected in the thermistor after 10 minutes of compressor start-up.	• Refer to 11-6. Ⓓ "Check of outdoor thermistors".
4		Lighted	4 times	Fin temperature thermistor	A short or open circuit is detected in the thermistor during operation.	• Refer to 11-6. Ⓓ "Check of outdoor thermistors".
				P.C board temperature thermistor		• Replace the inverter P.C. board.
5		Lighted	5 times	Ambient temperature thermistor	A short or open circuit is detected in the thermistor during operation.	• Refer to 11-6. Ⓓ "Check of outdoor thermistors".
				Outdoor heat exchanger temperature thermistor	A short circuit is detected in the thermistor during operation, or when an open circuit is detected in the thermistor after 5 minutes (in cooling) and 10 minutes (in heating) of compressor start-up.	
				Defrost thermistor	A short circuit is detected in the thermistor during operation, or when an open circuit is detected in the thermistor after 5 minutes of compressor start-up.	
6		Lighted	7 times	Nonvolatile memory data	The nonvolatile memory data cannot be read properly.	• Replace the inverter P.C. board.
7	'Outdoor unit stops and restarts 3 minutes later' is repeated.	Twice	Not lighted	Overcurrent	18 A current flows into intelligent power module.	• Reconnect compressor connector. • Refer to 11-6. Ⓒ "How to check inverter/compressor". • Check the stop valve.
8		3 times	Not lighted	Discharge temperature protection	Discharge temperature exceeds 116°C during operation. Compressor can restart if discharge temperature thermistor reads 100°C or less 3 minutes later.	• Check the amount of gas and refrigerant circuit. • Refer to 11-6. Ⓔ "Check of LEV".
9		4 times	Not lighted	Fin temperature protection	The fin temperature exceeds 90°C during operation.	• Check the refrigerant circuit and the refrigerant amount. • Refer to 11-6. Ⓕ "Check of outdoor fan motor".
				P.C. board temperature protection	The P.C. board temperature exceeds 78°C during operation.	
10		5 times	Not lighted	High-pressure protection	The outdoor heat exchanger temperature exceeds 70°C during cooling or indoor gas pipe temperature exceeds 70°C during heating.	• Check the amount of gas and the refrigerant circuit. • Check the stop valve.
11		9 times	Not lighted	Bus-bar voltage protection	The bus-bar voltage exceeds 430 V or falls to 50 V or below during compressor operating.	• Replace the inverter P.C. board.
12		13 times	Not lighted	Outdoor fan motor	Failure occurs 3 consecutive times within 30 seconds after the fan gets started.	• Refer to 11-6. Ⓕ "Check of outdoor fan motor".
13		8 times	Not lighted	Current sensor protection	A short or open circuit is detected in the current sensor during compressor operating.	• Replace the inverter P.C. board.
14		10 times	Not lighted	Compressor	The compressor does not synchronize with the operating power.	• Reconnect compressor connector. • Refer to 11-6. Ⓒ "How to check inverter/compressor". • Check the stop valve.
15	Outdoor unit operates.	Once	Lighted	Primary current protection	The input current exceeds 10 A.	These symptoms do not mean any abnormality of the product, but check the following points. • Check if indoor filters are clogged. • Check if refrigerant is short. • Check if indoor/outdoor unit air circulation is short cycled.
				Secondary current protection	The current of the compressor exceeds 17 A.	
16		Twice	Lighted	High-pressure protection	The indoor gas pipe temperature exceeds 45°C during heating.	
				Defrosting in cooling	The indoor gas pipe temperature falls 3°C or below during cooling.	
17		3 times	Lighted	Discharge temperature protection	The discharge temperature exceeds 100°C during operation.	• Check the refrigerant circuit and the refrigerant amount. • Refer to 11-6. Ⓔ "Check of LEV". • Refer to 11-6. Ⓓ "Check of outdoor thermistors".
18		4 times	Lighted	Low discharge temperature protection	The frequency of the compressor is kept 80 Hz or more and the discharge temperature is kept under 50°C (COOL mode)/40°C (HEAT mode) for more than 40 minutes.	• Refer to 11-6. Ⓔ "Check of LEV". • Check the refrigerant circuit and the refrigerant amount.

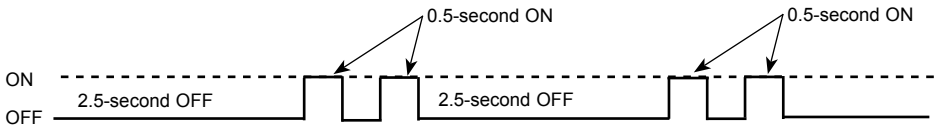
No.	Symptom	Indication		Abnormal point / Condition	Condition	Remedy
		LED1(Red)	LED2(Yellow)			
19	Outdoor unit operates.	5 times	Lighted	Cooling high-pressure protection	The outdoor heat exchanger temperature exceeds 58°C during operation.	This symptom does not mean any abnormality of the product, but check the following points. • Check if indoor filters are clogged. • Check if refrigerant is short. • Check if indoor/outdoor unit air circulation is short cycled.
20		8 times	Lighted	Converter protection	A failure is detected in the operation of the converter during operation.	• Check the voltage of power supply. • Replace the inverter P.C. board.
21	Outdoor unit operates normally.	9 times	Lighted	Inverter check mode	The connector of compressor is disconnected. Inverter check mode starts.	—
22		Lighted	Lighted	Normal	—	—

NOTE 1. The location of LED is illustrated at the right figure. Refer to 11-7.6.
2. LED is lighted during normal operation.

Outdoor display P.C. board (Parts side)



The flashing frequency shows the number of times the LED blinks after every 2.5-second OFF.
(Example) The flashing frequency is “2”.



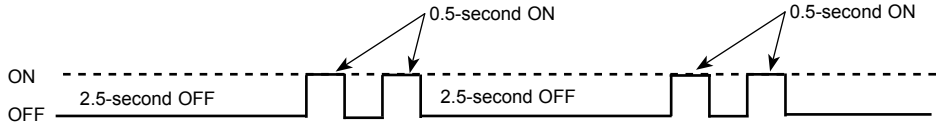
MXZ-3D/4D/5D

No.	Symptom	Indication		Abnormal point / Condition	Condition	Remedy
		LED1(Red)	LED2(Yellow)			
1	Outdoor unit does not operate.	Lighted	Once	LEV and drain pump	The indoor unit detects an abnormality in the LEV and drain pump.	• Refer to 11-6. Ⓔ "Check of LEV". • Check the drain pump of the indoor unit.
2		Lighted	Twice	Outdoor power system	Overcurrent protection cut-out operates 3 consecutive times within 1 minute after the compressor gets started, or converter protection or bus-bar voltage protection cut-out operates 3 consecutive times within 3 minutes after start-up.	• Check the connection of the compressor connecting wire. • Refer to 11-6. Ⓒ "How to check inverter/compressor". • Check the stop valve.
3		Lighted	3 times	Discharge temperature thermistor	A short circuit is detected in the thermistor during operation, or an open circuit is detected in the thermistor 10 minutes after compressor start-up.	• Refer to 11-6. Ⓓ "Check of outdoor thermistors".
4		Lighted	4 times	Fin temperature thermistor	A short or open circuit is detected in the thermistor during operation.	• Refer to 11-6. Ⓓ "Check of outdoor thermistors".
				P.C board temperature thermistor		• Replace the outdoor control P.C. board.
5		Lighted	5 times	Ambient temperature thermistor	A short or open circuit is detected in the thermistor during operation.	• Refer to 11-6. Ⓓ "Check of outdoor thermistors".
				Outdoor heat exchanger temperature thermistor	A short circuit is detected in the thermistor during operation, or an open circuit is detected in the thermistor 5 minutes (in cooling) and 10 minutes (in heating) after compressor start-up.	
				Defrost thermistor	A short circuit is detected in the thermistor during operation, or an open circuit is detected in the thermistor 5 minutes after compressor start-up.	
6		Lighted	7 times	Nonvolatile memory data	The nonvolatile memory data cannot be read properly.	• Replace the outdoor control P.C. board.
7		Lighted	8 times	Current sensor	Current sensor protection cut-out operates 2 consecutive times.	• Replace the power P.C. board.
8		Lighted	11 times	Communication error between P.C. boards	Communication error occurs twice between the outdoor control P.C. board and the power P.C. board for more than 10 seconds.	• Check the connecting wire between the outdoor control P.C. board and the power P.C. board.
9		Lighted	12 times	Zero cross detecting circuit	The protection cut-out of the zero cross detecting circuit operates 10 consecutive times.	• Check the connecting wire between the outdoor control P.C. board, the noise filter P.C. board and the power P.C. board.
10	'Outdoor unit stops and restarts 3 minutes later' is repeated.	Twice	Not lighted	IPM protection	Overcurrent is detected 30 seconds after compressor start-up.	• Reconnect compressor connector. • Refer to 11-6. Ⓒ "How to check inverter/compressor". • Check the stop valve. • Check the power module (PAM module).
				Lock protection	Overcurrent is detected within 30 seconds after compressor start-up.	
11		3 times	Not lighted	Discharge temperature protection	Discharge temperature exceeds 116°C during operation. Compressor can restart if discharge temperature thermistor reads 100°C or less 3 minutes later.	• Check the amount of gas and refrigerant circuit. • Refer to 11-6. Ⓔ "Check of LEV".
12		4 times	Not lighted	Fin temperature protection	The fin temperature exceeds 89°C during operation.	•Check the refrigerant circuit and the refrigerant amount. •Refer to 11-6. Ⓕ "Check of outdoor fan motor".
				P.C. board temperature protection	The P.C. board temperature exceeds 73°C (**MXZ-3D54/4D71VA**)/ 87°C **(MXZ-4D80/5D100VA)** during operation.	
13		5 times	Not lighted	High-pressure protection	High-pressure is detected with the high-pressure switch (HPS) during operation. **(MXZ-4D71/4D80/5D100VA)**	• Check the amount of gas and the refrigerant circuit. • Check the stop valve.
					The outdoor heat exchanger temperature exceeds 70°C during cooling or indoor gas pipe temperature exceeds 70°C during heating.	
		6 times	Not lighted	Pre-heat protection	A failure is detected in the operation of pre-heat. **(MXZ-3D54/4D71VA)**	• Replace the power P.C. board.
14		8 times	Not lighted	Converter protection	A failure is detected in the operation of the converter during operation.	• Replace the power P.C. board.
15		9 times	Not lighted	Bus-bar voltage protection (1)	The bus-bar voltage falls to 200 V or below during compressor operating.	• Check the voltage of power supply. • Replace the power P.C. board or the outdoor control P.C. board. • Refer to 11-6. ① "Check of bus-bar voltage".
				Bus-bar voltage protection (2)	The bus-bar voltage exceeds 400 V **(MXZ-3D54/4D71VA)**/ 430 V **(MXZ-4D80/5D100VA)** or falls to 50 V or below while the compressor is operating.	
16		13 times	Not lighted	Outdoor fan motor	Failure occurs 3 consecutive times within 30 seconds after the fan gets started.	• Refer to 11-6. Ⓕ "Check of outdoor fan motor".
17		Lighted	8 times	Current sensor protection	A short or open circuit is detected in the current sensor while the compressor is operating.	• Replace the power P.C. board.
18		Lighted	11 times	Communication protection between P.C. boards	Communication error occurs between the outdoor control P.C. board and the power P.C. board for more than 10 seconds.	• Check the connecting wire between the outdoor control P.C. board and the power P.C. board.
19		Lighted	12 times	Zero cross detecting circuit protection	Zero cross signal cannot be detected while the compressor is operating.	• Check the connecting wire between the outdoor control P.C. board, the noise filter P.C. board and the power P.C. board.

No.	Symptom	Indication		Abnormal point / Condition	Condition	Remedy
		LED1(Red)	LED2(Yellow)			
20	Outdoor unit operates.	Once	Lighted	Primary current protection	The primary current exceeds 15 A **(MXZ-3D54/4D71VA)**/ 17 A **(MXZ-4D80VA)**/18 A **(MXZ-5D100VA)**.	These symptoms do not mean any abnormality of the product, but check the following points. • Check the indoor filters are not clogged. • Check there is sufficient refrigerant. • Check the indoor/outdoor unit air circulation is not short cycling.
				Secondary current protection	The current of the compressor exceeds 12 A (**MXZ-3D54VA**) /12.5A (**MXZ-4D71VA**) /10 A (**MXZ-4D80/5D100VA**).	
21		Twice	Lighted	High-pressure protection	The indoor gas pipe temperature exceeds 45°C during heating.	
				Defrosting in cooling	The indoor gas pipe temperature falls 3°C or below during cooling.	
22		3 times	Lighted	Discharge temperature protection	The discharge temperature exceeds 100°C during operation.	• Check the refrigerant circuit and the refrigerant amount. • Refer to 11-6. Ⓔ "Check of LEV". • Refer to 11-6. Ⓓ "Check of outdoor thermistors".
23		4 times	Lighted	Low discharge temperature protection	The frequency of the compressor is kept 80 Hz or more and the discharge temperature is kept under 50°C (cooling) /40°C (heating) for more than 40 minutes.	• Refer to 11-6. Ⓔ "Check of LEV". • Check the refrigerant circuit and the refrigerant amount.
24		5 times	Lighted	Cooling high-pressure protection	The outdoor heat exchanger temperature exceeds 58°C during operation.	This symptom does not mean any abnormality of the product, but check the following points. • Check the indoor filters are not clogged. • Check there is sufficient refrigerant. • Check the indoor/outdoor unit air circulation is not short cycling.
25	Outdoor unit operates normally.	9 times	Lighted	Inverter check mode	The unit is operated with emergency operation switch.	—
26		Lighted	Lighted	Normal	—	—

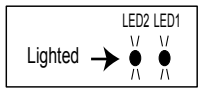
NOTE 1. The location of LED is illustrated at the right figure. Refer to 11-7.2.
2. LED is lighted during normal operation.

The flashing frequency shows the number of times the LED blinks after every 2.5-second OFF.
(Example) When the flashing frequency is “2”.

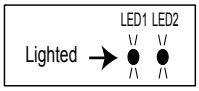


Outdoor control P.C. board(Parts side)

MXZ-3D54/4D71VA



MXZ-4D80/5D100VA



11-5. TROUBLE CRITERION OF MAIN PARTS

MXZ-2D52VA MXZ-3D54VA MXZ-4D71VA MXZ-4D80VA MXZ-5D100VA

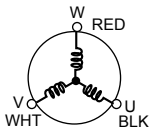
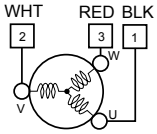
<table>
<tr><th>Part name</th><th>Check method and criterion</th></tr>
<tr><td>Defrost thermistor (RT61)

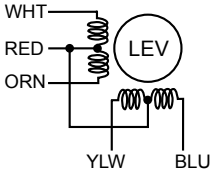
Fin temperature thermistor (RT64)

Ambient temperature thermistor (RT65)

Outdoor heat exchanger temperature thermistor (RT68)</td><td>Measure the resistance with a tester.

Refer to 11-7. "TEST POINT DIAGRAM AND VOLTAGE" 1. "Inverter P.C. board", 2. "Outdoor control P.C. board " or 3. "Outdoor power P.C. board" for the chart of thermistor.</td></tr>
<tr><td>Discharge temperature thermistor (RT62)</td><td>Measure the resistance with a tester.
Before measurement, hold the thermistor with your hands to warm it up.

Refer to 11-7. "TEST POINT DIAGRAM AND VOLTAGE" 1. "Inverter P.C. board", 2. "Outdoor control P.C. board ", for the chart of thermistor.</td></tr>
<tr><td>Compressor
 
</td><td>Measure the resistance between terminals with a tester.
(Winding temperature : -10 °C ~ 40 °C)
<table>
<tr><th colspan="3">Normal (Each phase)</th></tr>
<tr><th>MXZ-2D52VA
MXZ-3D54VA</th><th>MXZ-4D71VA</th><th>MXZ-4D80VA
MXZ-5D100VA</th></tr>
<tr><td>0.86 Ω ~ 1.06 Ω</td><td>0.63 Ω ~ 0.78 Ω</td><td>1.29 Ω ~ 1.49 Ω</td></tr>
</table></td></tr>
<tr><td>Outdoor fan motor
 

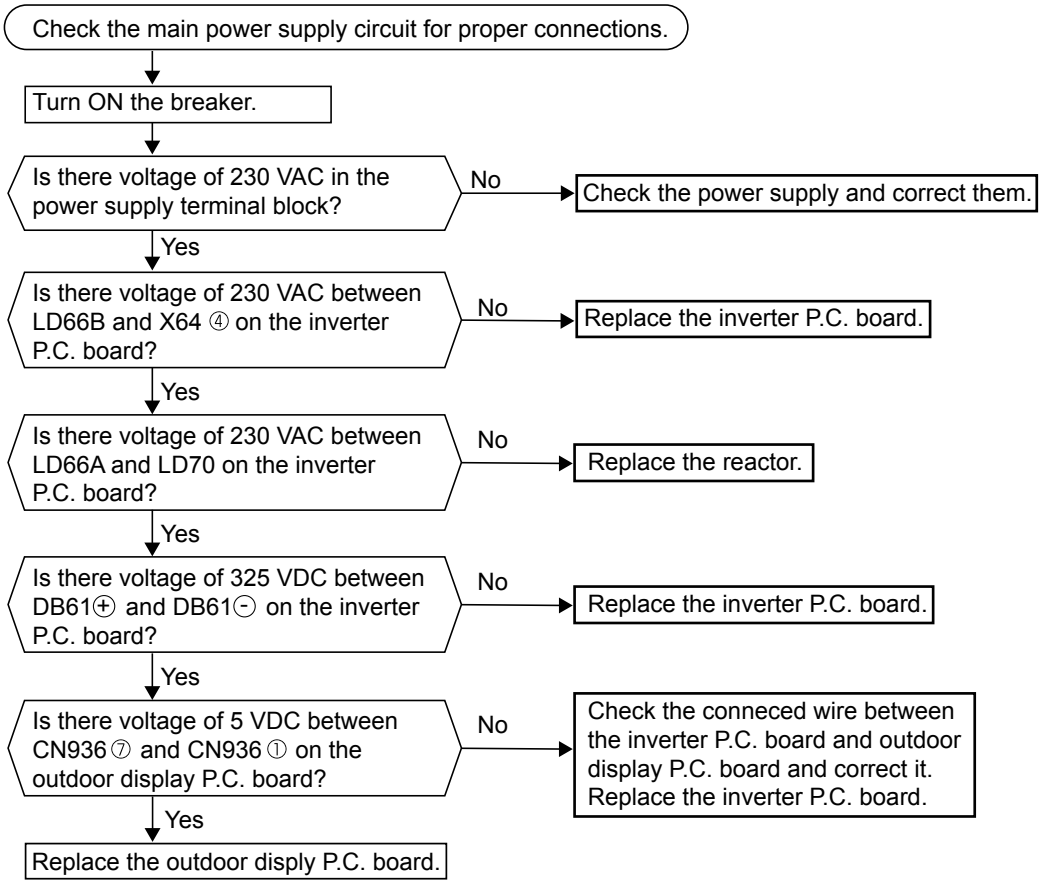
MXZ-2D52VA
MXZ-4D80VA/5D100VA</td><td>Measure the resistance between lead wires with a tester.
(Part temperature : -10 °C ~ 40 °C)
<table>
<tr><th colspan="2">Normal (Each phase)</th></tr>
<tr><th>MXZ-2D52VA</th><th>MXZ-4D80VA
MXZ-5D100VA</th></tr>
<tr><td>12 Ω ~ 16 Ω</td><td>13.4 Ω ~ 16.4 Ω</td></tr>
</table></td></tr>
<tr><td>Outdoor fan motor
MXZ-3D54VA/4D71VA</td><td>Refer to 11-6. Ⓕ.</td></tr>
<tr><td>R.V. coil</td><td>Measure the resistance with a tester. (Part temperature : -10 °C ~ 40 °C)
<table>
<tr><th colspan="2">Normal</th></tr>
<tr><th>MXZ-2D52VA
MXZ-4D80VA
MXZ-5D100VA</th><th>MXZ-3D54VA
MXZ-4D71VA</th></tr>
<tr><td>1.2 kΩ ~ 1.56 kΩ</td><td>1.26 kΩ ~ 1.62 kΩ</td></tr>
</table></td></tr>
<tr><td>Linear expansion valve
 
</td><td>Measure the resistance with a tester. (Part temperature : -10 °C ~ 40 °C)
<table>
<tr><th>Color of lead wire</th><th>Normal</th></tr>
<tr><td>WHT - RED</td><td rowspan="4">37.4 Ω ~ 53.9 Ω</td></tr>
<tr><td>RED - ORN</td></tr>
<tr><td>YLW - RED</td></tr>
<tr><td>RED - BLU</td></tr>
</table></td></tr>
<tr><td>High pressure switch (HPS)
MXZ-4D71VA/4D80VA/5D100VA</td><td>
<table>
<tr><th colspan="2">Pressure</th><th>Normal</th></tr>
<tr><td rowspan="2">HPS</td><td>3.7 ± 0.3 MPa</td><td>Close</td></tr>
<tr><td>4.8 ± 0.2 MPa</td><td>Open</td></tr>
</table></td></tr>
</table>

11-6. TROUBLESHOOTING FLOW

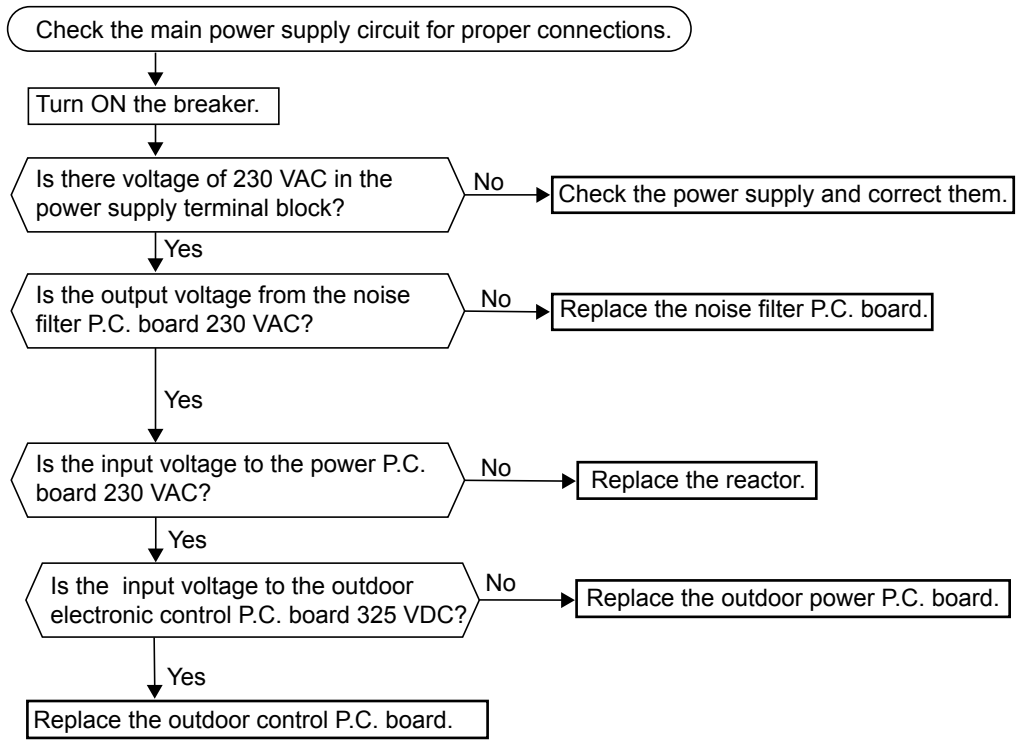
• When outdoor unit does not operate, LED on outdoor P.C. board is not lighting.

Ⓐ Check of power supply

MXZ-2D52VA


Check the main power supply circuit for proper connections.
Turn ON the breaker.
Is there voltage of 230 VAC in the power supply terminal block?
No
Check the power supply and correct them.
Yes
Is there voltage of 230 VAC between LD66B and X64 ④ on the inverter P.C. board?
No
Replace the inverter P.C. board.
Yes
Is there voltage of 230 VAC between LD66A and LD70 on the inverter P.C. board?
No
Replace the reactor.
Yes
Is there voltage of 325 VDC between DB61⊕ and DB61⊖ on the inverter P.C. board?
No
Replace the inverter P.C. board.
Yes
Is there voltage of 5 VDC between CN936 ⑦ and CN936 ① on the outdoor display P.C. board?
No
Check the conneced wire between the inverter P.C. board and outdoor display P.C. board and correct it.
Replace the inverter P.C. board.
Yes
Replace the outdoor disply P.C. board.

MXZ-3D54VA/4D71VA/4D80VA/5D100VA


Check the main power supply circuit for proper connections.
Turn ON the breaker.
Is there voltage of 230 VAC in the power supply terminal block?
No
Check the power supply and correct them.
Yes
Is the output voltage from the noise filter P.C. board 230 VAC?
No
Replace the noise filter P.C. board.
Yes
Is the input voltage to the power P.C. board 230 VAC?
No
Replace the reactor.
Yes
Is the input voltage to the outdoor electronic control P.C. board 325 VDC?
No
Replace the outdoor power P.C. board.
Yes
Replace the outdoor control P.C. board.

- **When the indoor unit does not operate, it cannot be operated either with the remote controller or with the EMERGENCY OPERATION switch.**
- **When the outdoor unit does not operate, the OPERATION INDICATOR lamp on the indoor unit flashes ON and OFF every 0.5-second.**

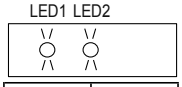
Ⓑ How to check miswiring and serial signal error (when outdoor unit does not work)

LED indication for communication status

Communication status is indicated by the LED.

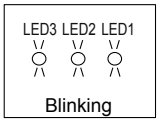
Unit status
Blinking: normal communication
Lighted: abnormal communication or not connected
Not lighted: The outdoor P.C. board is abnormal.
NOTE: "Lighted" and "Not lighted" in the table below does not indicate abnormal.

MXZ-2D52VA
Outdoor display P.C. board



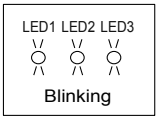
LED 1	LED 2
Unit A status	Unit B status

MXZ-3D54/4D71VA
Outdoor control P.C. board

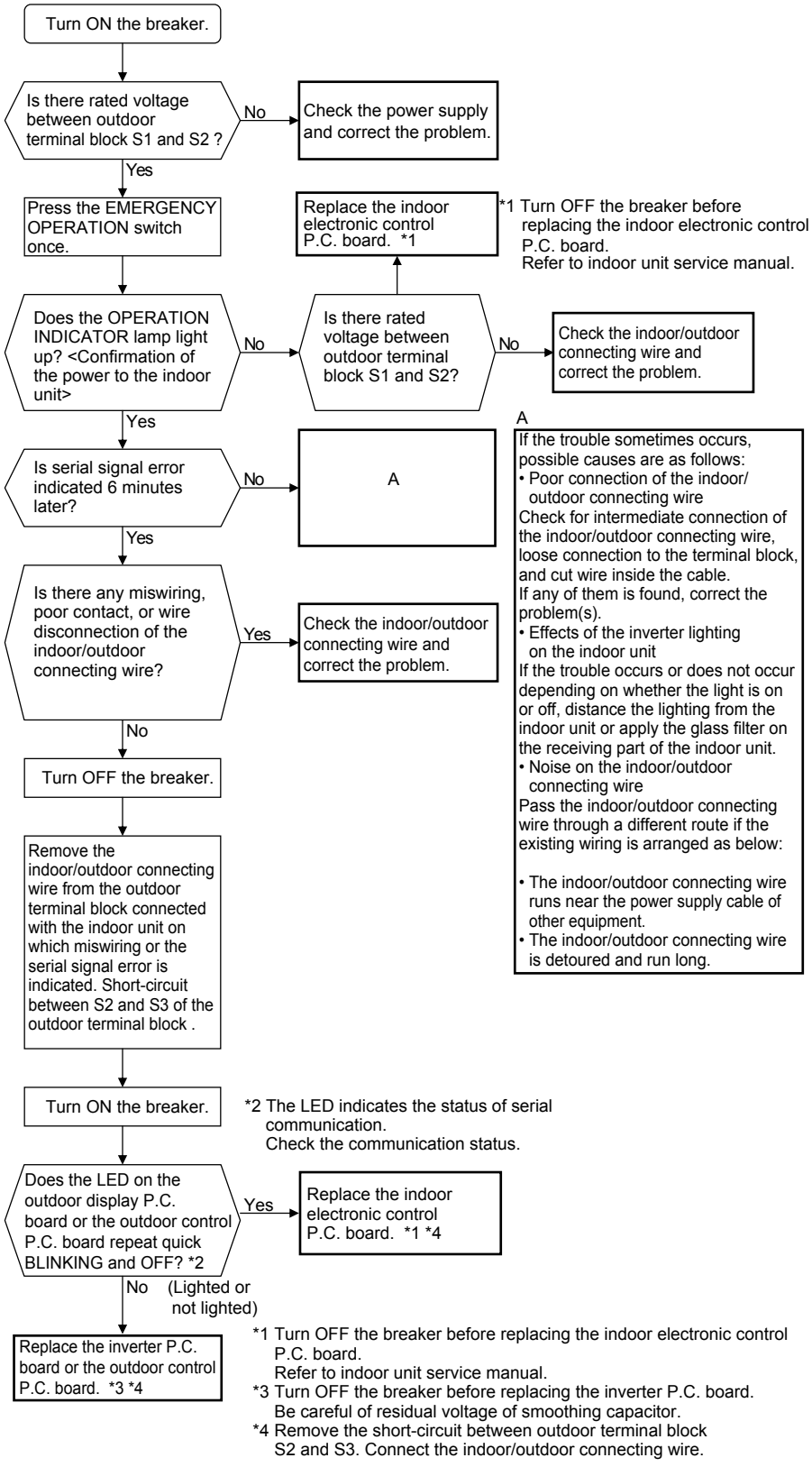


Pattern	LED 3	LED 2	LED 1
1	Lighted	Unit B status	Unit A status
2	Not lighted	Unit D status	Unit C status

MXZ-4D80/5D100VA
Outdoor control P.C. board



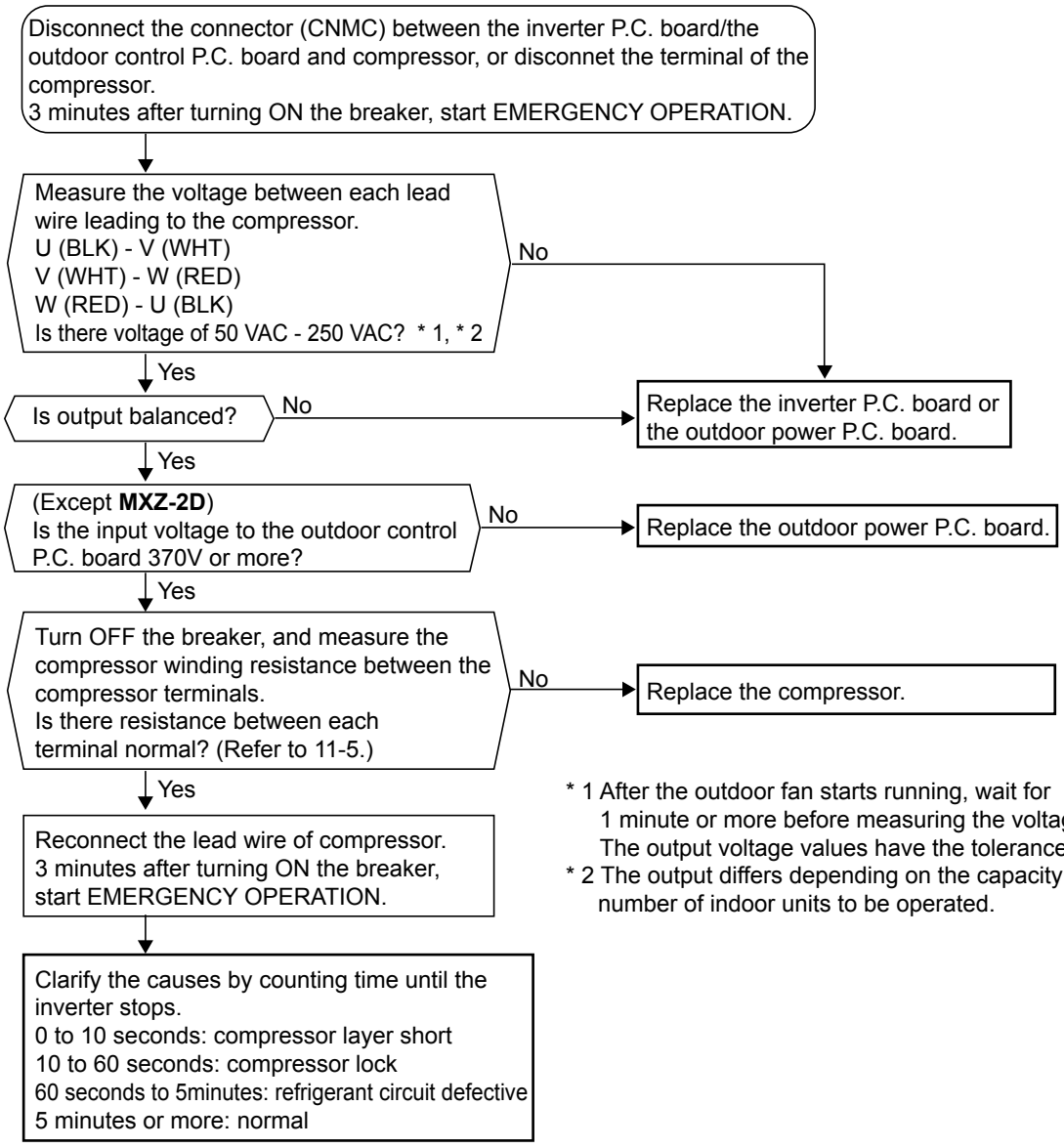
Pattern	LED 1	LED 2	LED 3
1	Unit A status	Unit B status	Unit C status
2	Unit D status	Unit E status	Not lighted


Turn ON the breaker.
Is there rated voltage between outdoor terminal block S1 and S2 ?
No
Check the power supply and correct the problem.
Yes
Press the EMERGENCY OPERATION switch once.
Replace the indoor electronic control P.C. board. *1
*1 Turn OFF the breaker before replacing the indoor electronic control P.C. board.
Refer to indoor unit service manual.
Does the OPERATION INDICATOR lamp light up? <Confirmation of the power to the indoor unit>
No
Is there rated voltage between outdoor terminal block S1 and S2?
No
Check the indoor/outdoor connecting wire and correct the problem.
Yes
Is serial signal error indicated 6 minutes later?
No
A
Yes
Is there any miswiring, poor contact, or wire disconnection of the indoor/outdoor connecting wire?
Yes
Check the indoor/outdoor connecting wire and correct the problem.
No
Turn OFF the breaker.
Remove the indoor/outdoor connecting wire from the outdoor terminal block connected with the indoor unit on which miswiring or the serial signal error is indicated. Short-circuit between S2 and S3 of the outdoor terminal block .
Turn ON the breaker.
*2 The LED indicates the status of serial communication.
Check the communication status.
Does the LED on the outdoor display P.C. board or the outdoor control P.C. board repeat quick BLINKING and OFF? *2
Yes
Replace the indoor electronic control P.C. board. *1 *4
No (Lighted or not lighted)
Replace the inverter P.C. board or the outdoor control P.C. board. *3 *4
A
If the trouble sometimes occurs, possible causes are as follows:
• Poor connection of the indoor/outdoor connecting wire
Check for intermediate connection of the indoor/outdoor connecting wire, loose connection to the terminal block, and cut wire inside the cable.
If any of them is found, correct the problem(s).
• Effects of the inverter lighting on the indoor unit
If the trouble occurs or does not occur depending on whether the light is on or off, distance the lighting from the indoor unit or apply the glass filter on the receiving part of the indoor unit.
• Noise on the indoor/outdoor connecting wire
Pass the indoor/outdoor connecting wire through a different route if the existing wiring is arranged as below:
• The indoor/outdoor connecting wire runs near the power supply cable of other equipment.
• The indoor/outdoor connecting wire is detoured and run long.

*1 Turn OFF the breaker before replacing the indoor electronic control P.C. board.
Refer to indoor unit service manual.
*3 Turn OFF the breaker before replacing the inverter P.C. board.
Be careful of residual voltage of smoothing capacitor.
*4 Remove the short-circuit between outdoor terminal block S2 and S3. Connect the indoor/outdoor connecting wire.

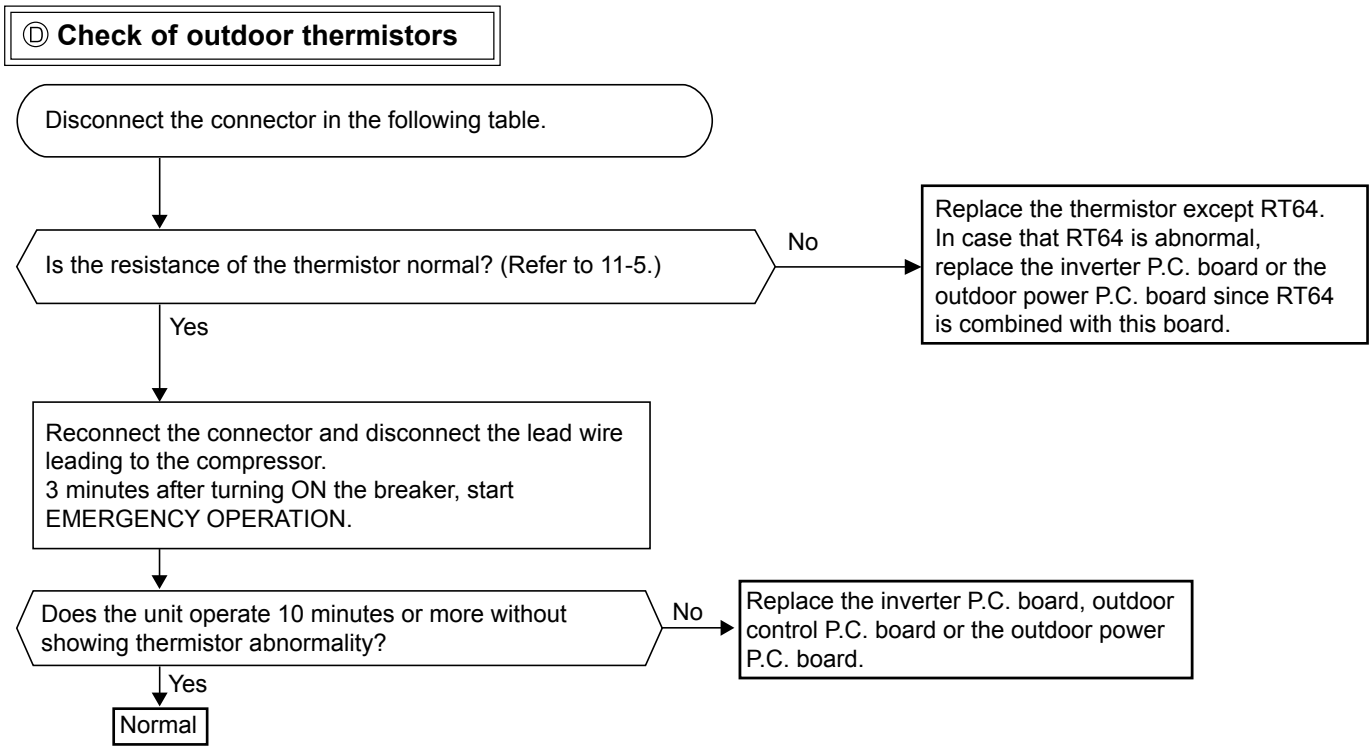
• In heating, the room does not get warm.
• In cooling, the room does not get cool.

Ⓒ How to check inverter/compressor


Disconnect the connector (CNMC) between the inverter P.C. board/the outdoor control P.C. board and compressor, or disconnet the terminal of the compressor.
3 minutes after turning ON the breaker, start EMERGENCY OPERATION.
Measure the voltage between each lead wire leading to the compressor.
U (BLK) - V (WHT)
V (WHT) - W (RED)
W (RED) - U (BLK)
Is there voltage of 50 VAC - 250 VAC? * 1, * 2
No
Yes
Is output balanced?
No
Replace the inverter P.C. board or the outdoor power P.C. board.
Yes
(Except MXZ-2D)
Is the input voltage to the outdoor control P.C. board 370V or more?
No
Replace the outdoor power P.C. board.
Yes
Turn OFF the breaker, and measure the compressor winding resistance between the compressor terminals.
Is there resistance between each terminal normal? (Refer to 11-5.)
No
Replace the compressor.
Yes
Reconnect the lead wire of compressor.
3 minutes after turning ON the breaker, start EMERGENCY OPERATION.
Clarify the causes by counting time until the inverter stops.
0 to 10 seconds: compressor layer short
10 to 60 seconds: compressor lock
60 seconds to 5minutes: refrigerant circuit defective
5 minutes or more: normal

* 1 After the outdoor fan starts running, wait for 1 minute or more before measuring the voltage. The output voltage values have the tolerance of ± 20%.
* 2 The output differs depending on the capacity or the number of indoor units to be operated.

• The thermistor is abnormal.


Ⓓ Check of outdoor thermistors
Disconnect the connector in the following table.
Is the resistance of the thermistor normal? (Refer to 11-5.)
No
Replace the thermistor except RT64. In case that RT64 is abnormal, replace the inverter P.C. board or the outdoor power P.C. board since RT64 is combined with this board.
Yes
Reconnect the connector and disconnect the lead wire leading to the compressor.
3 minutes after turning ON the breaker, start EMERGENCY OPERATION.
Does the unit operate 10 minutes or more without showing thermistor abnormality?
No
Replace the inverter P.C. board, outdoor control P.C. board or the outdoor power P.C. board.
Yes
Normal

MXZ-2D52VA

Thermistor	Symbol	Connector, Pin No.	Board
Defrost	RT61	CN641 pin1 and pin2	Inverter P.C. board
Discharge temperature	RT62	CN641 pin3 and pin4	
Fin temperature	RT64	CN642 pin1 and pin2	
Ambient temperature	RT65	CN643 pin1 and pin2	
Outdoor heat exchanger temperature	RT68	CN644 pin1 and pin3	

MXZ-3D54/4D71VA

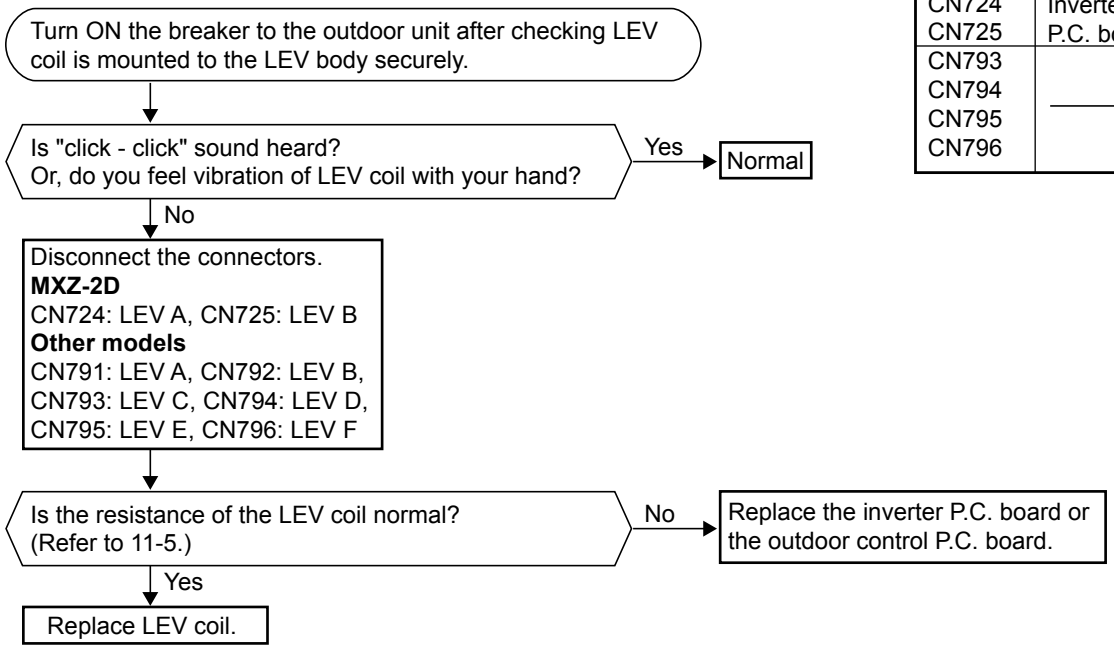
Thermistor	Symbol	Connector, Pin No.	Board
Defrost	RT61	CN661 pin1 and pin2	Outdoor control P.C. board
Discharge temperature	RT62	CN661 pin3 and pin4	
Fin temperature	RT64	CN9 pin1 and pin2	Outdoor power P.C. board
Ambient temperature	RT65	CN665 pin1 and pin2	Outdoor control P.C. board
Outdoor heat exchanger temperature	RT68	CN661 pin7 and pin8	

MXZ-4D80/5D100VA

Thermistor	Symbol	Connector, Pin No.	Board
Defrost	RT61	CN661 pin1 and pin2	Outdoor control P.C. board
Discharge temperature	RT62	CN661 pin3 and pin4	
Fin temperature	RT64	CN3 pin1 and pin2	Outdoor power P.C. board
Ambient temperature	RT65	CN661 pin7 and pin8	Outdoor control P.C. board
Outdoor heat exchanger temperature	RT68	CN663 pin1 and pin2	

• In cooling, the heat exchanger of non-operating indoor unit has frosted.
• In heating, non-operating indoor unit gets warm.

Ⓔ Check of LEV


Turn ON the breaker to the outdoor unit after checking LEV coil is mounted to the LEV body securely.
Is "click - click" sound heard?
Or, do you feel vibration of LEV coil with your hand?
Yes
Normal
No
Disconnect the connectors.
MXZ-2D
CN724: LEV A, CN725: LEV B
Other models
CN791: LEV A, CN792: LEV B,
CN793: LEV C, CN794: LEV D,
CN795: LEV E, CN796: LEV F
Is the resistance of the LEV coil normal?
(Refer to 11-5.)
No
Replace the inverter P.C. board or the outdoor control P.C. board.
Yes
Replace LEV coil.

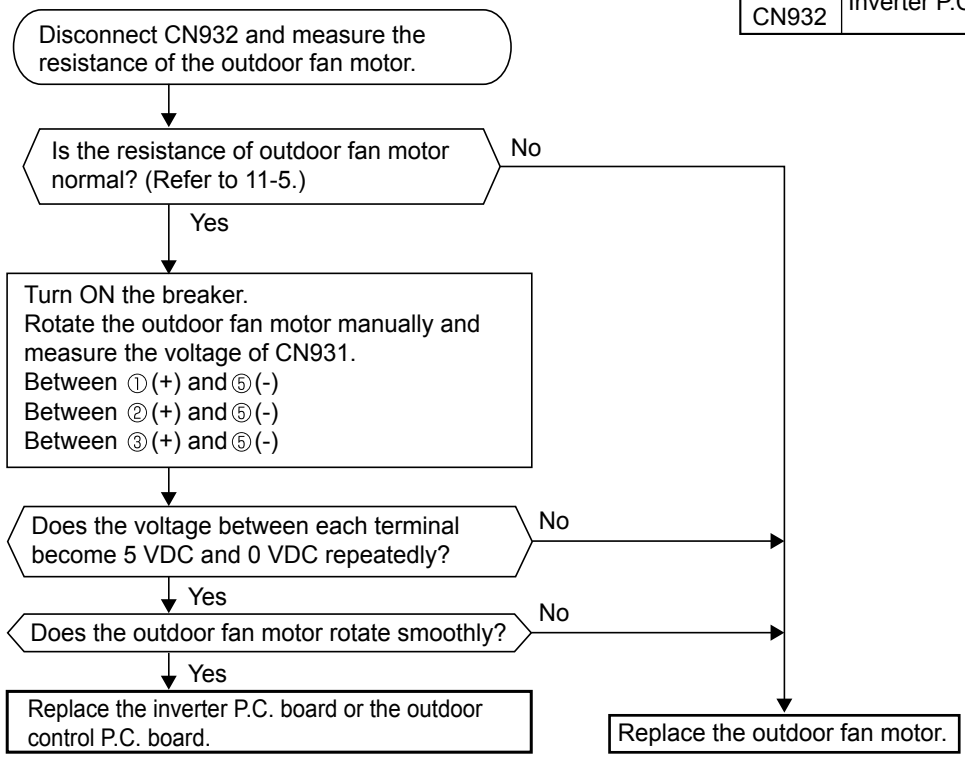
	MXZ-2D	MXZ-3D/4D/5D
CN724 CN725	Inverter P.C. board	Outdoor control P.C. board
CN793 CN794 CN795 CN796	———	

• Fan motor does not operate or stops operating shortly after starting the operation.

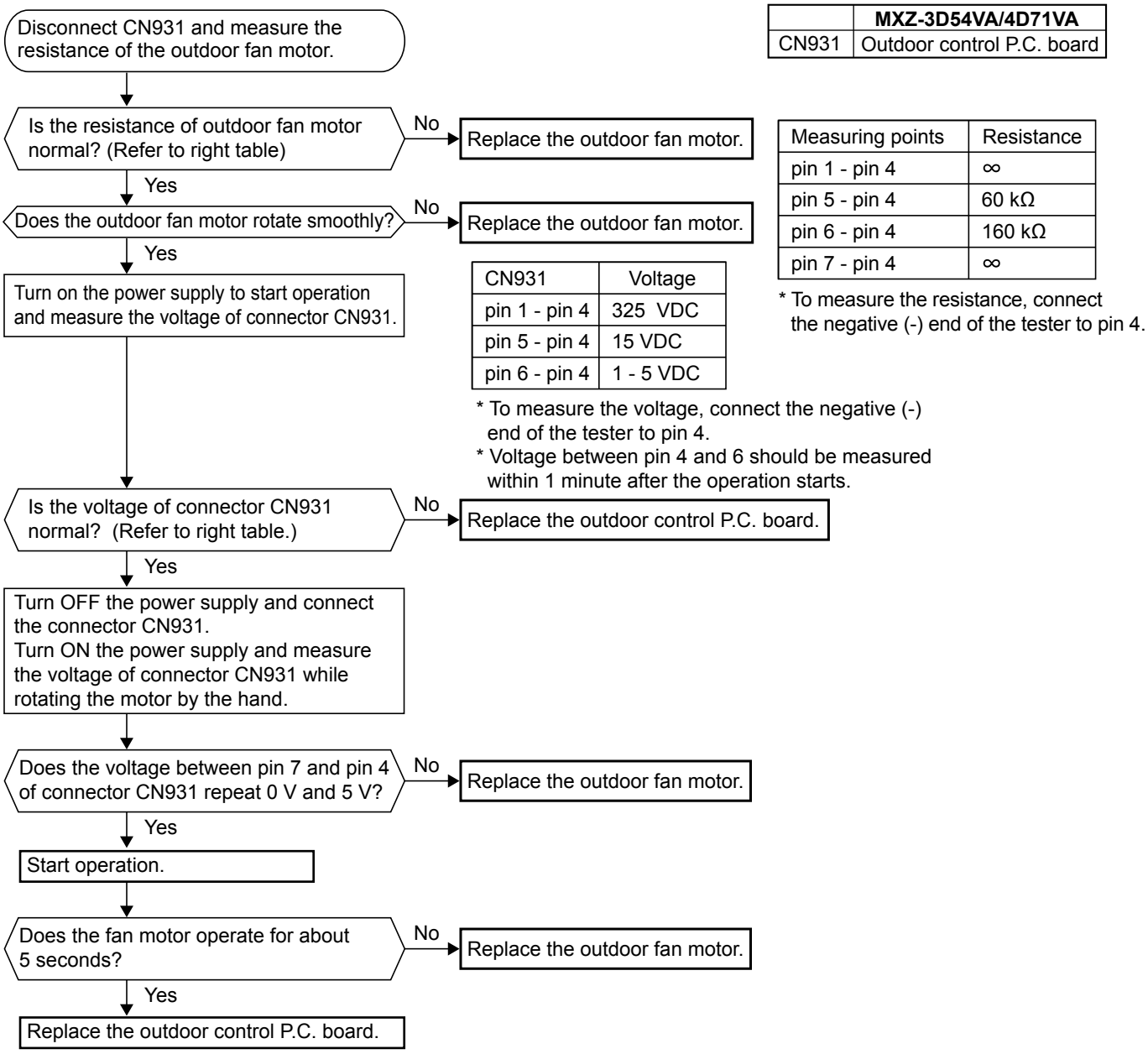
Ⓕ Check of outdoor fan motor

MXZ-2D52VA
MXZ-4D80VA/5D100VA

	MXZ-2D52VA	MXZ-4D80VA/5D100VA
CN931 CN932	Inverter P.C. board	Outdoor control P.C. board


Disconnect CN932 and measure the resistance of the outdoor fan motor.
Is the resistance of outdoor fan motor normal? (Refer to 11-5.)
No
Yes
Turn ON the breaker.
Rotate the outdoor fan motor manually and measure the voltage of CN931.
Between ①(+) and ⑤(-)
Between ②(+) and ⑤(-)
Between ③(+) and ⑤(-)
Does the voltage between each terminal become 5 VDC and 0 VDC repeatedly?
No
Yes
Does the outdoor fan motor rotate smoothly?
No
Yes
Replace the inverter P.C. board or the outdoor control P.C. board.
Replace the outdoor fan motor.

MXZ-3D54VA/4D71VA


Disconnect CN931 and measure the resistance of the outdoor fan motor.
Is the resistance of outdoor fan motor normal? (Refer to right table)
No
Replace the outdoor fan motor.
Yes
Does the outdoor fan motor rotate smoothly?
No
Replace the outdoor fan motor.
Yes
Turn on the power supply to start operation and measure the voltage of connector CN931.
Is the voltage of connector CN931 normal? (Refer to right table.)
No
Replace the outdoor control P.C. board.
Yes
Turn OFF the power supply and connect the connector CN931.
Turn ON the power supply and measure the voltage of connector CN931 while rotating the motor by the hand.
Does the voltage between pin 7 and pin 4 of connector CN931 repeat 0 V and 5 V?
No
Replace the outdoor fan motor.
Yes
Start operation.
Does the fan motor operate for about 5 seconds?
No
Replace the outdoor fan motor.
Yes
Replace the outdoor control P.C. board.

	MXZ-3D54VA/4D71VA
CN931	Outdoor control P.C. board

Measuring points	Resistance
pin 1 - pin 4	∞
pin 5 - pin 4	60 kΩ
pin 6 - pin 4	160 kΩ
pin 7 - pin 4	∞

* To measure the resistance, connect the negative (-) end of the tester to pin 4.

CN931	Voltage
pin 1 - pin 4	325 VDC
pin 5 - pin 4	15 VDC
pin 6 - pin 4	1 - 5 VDC

* To measure the voltage, connect the negative (-) end of the tester to pin 4.
* Voltage between pin 4 and 6 should be measured within 1 minute after the operation starts.

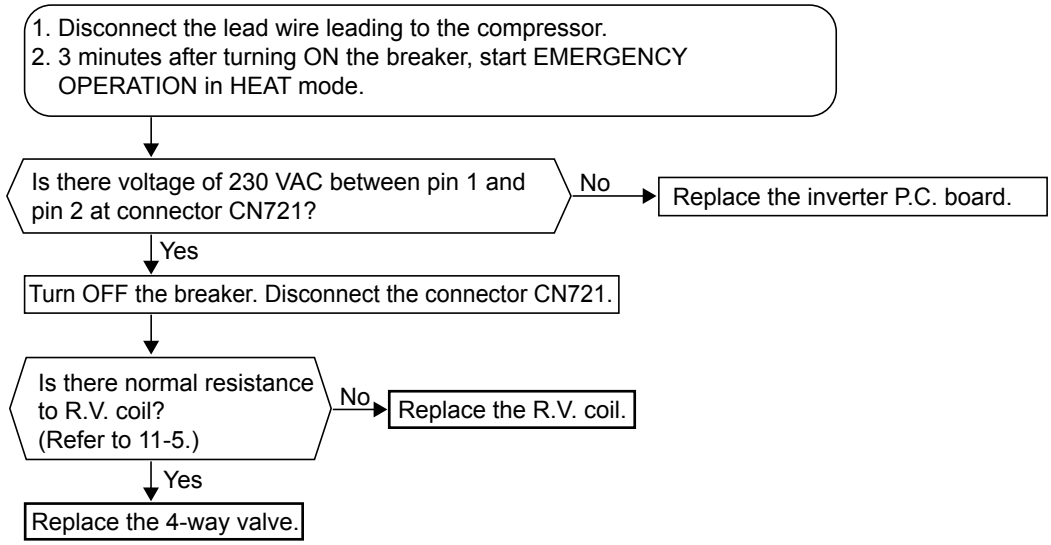
The cooling operation or the heating operation does not operate.

Ⓖ Check of R.V. coil

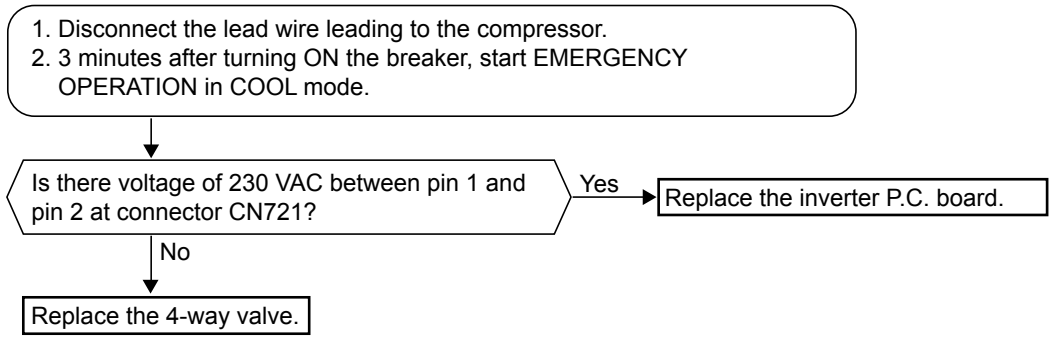
MXZ-2D52VA

	MXZ-2D52VA
CN721	Inverter P.C. board

• The heating operation does not operate.


1. Disconnect the lead wire leading to the compressor.
2. 3 minutes after turning ON the breaker, start EMERGENCY OPERATION in HEAT mode.
Is there voltage of 230 VAC between pin 1 and pin 2 at connector CN721?
No
Replace the inverter P.C. board.
Yes
Turn OFF the breaker. Disconnect the connector CN721.
Is there normal resistance to R.V. coil? (Refer to 11-5.)
No
Replace the R.V. coil.
Yes
Replace the 4-way valve.

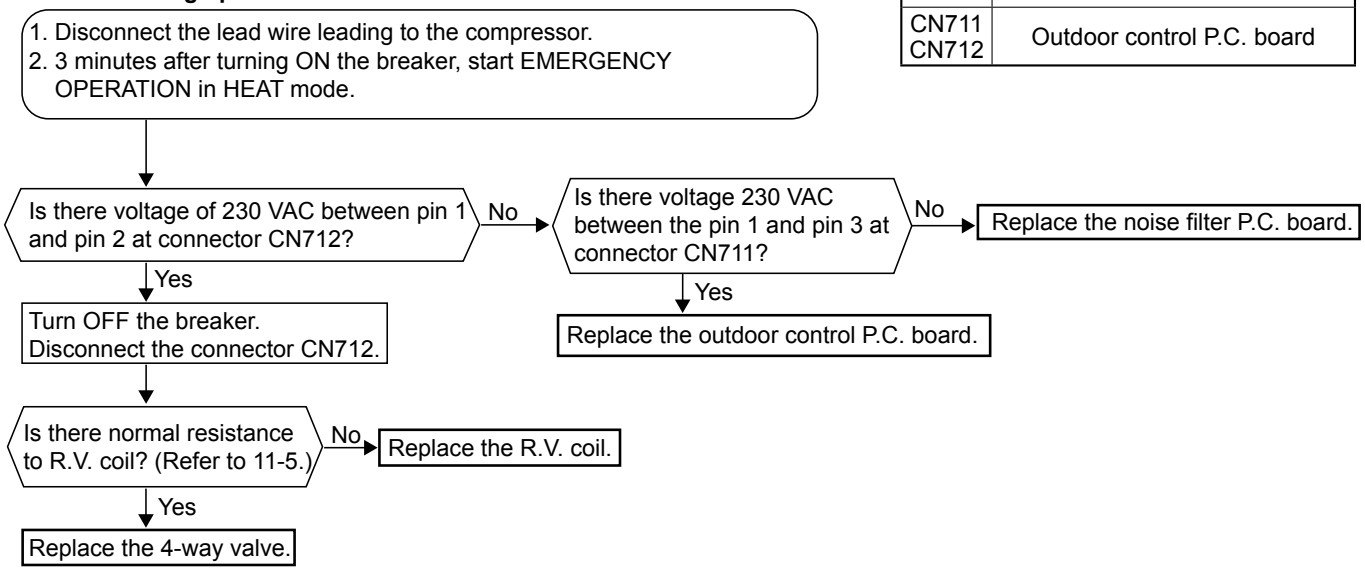
• The cooling operation does not operate.


1. Disconnect the lead wire leading to the compressor.
2. 3 minutes after turning ON the breaker, start EMERGENCY OPERATION in COOL mode.
Is there voltage of 230 VAC between pin 1 and pin 2 at connector CN721?
Yes
Replace the inverter P.C. board.
No
Replace the 4-way valve.

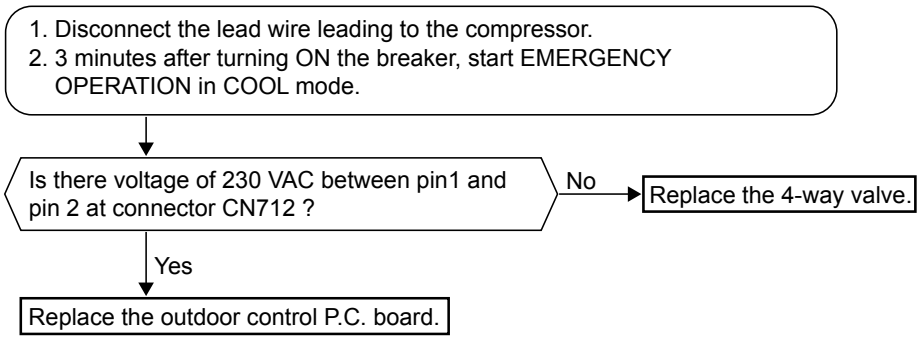
MXZ-3D54VA/4D71VA

	MXZ-3D54VA/4D71VA
CN711 CN712	Outdoor control P.C. board

• When heating operation does not work.


1. Disconnect the lead wire leading to the compressor.
2. 3 minutes after turning ON the breaker, start EMERGENCY OPERATION in HEAT mode.
Is there voltage of 230 VAC between pin 1 and pin 2 at connector CN712?
No
Is there voltage 230 VAC between the pin 1 and pin 3 at connector CN711?
No
Replace the noise filter P.C. board.
Yes
Yes
Turn OFF the breaker.
Disconnect the connector CN712.
Replace the outdoor control P.C. board.
Is there normal resistance to R.V. coil? (Refer to 11-5.)
No
Replace the R.V. coil.
Yes
Replace the 4-way valve.

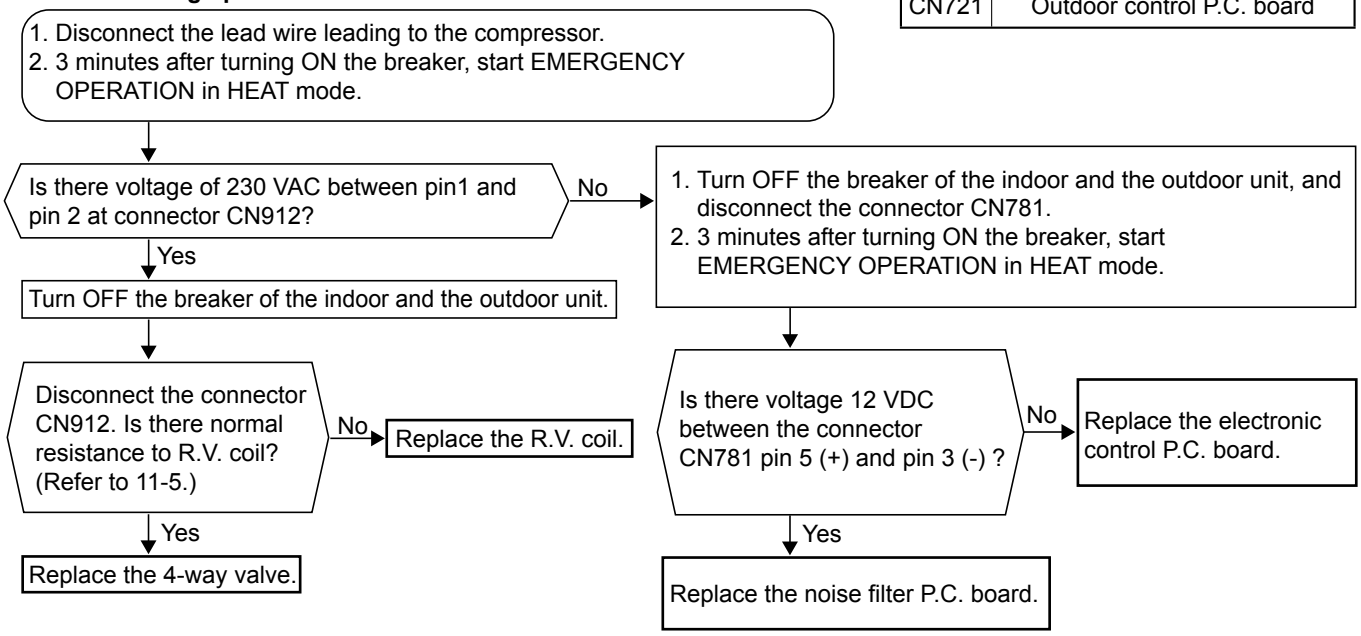
• When cooling operation does not work.


1. Disconnect the lead wire leading to the compressor.
2. 3 minutes after turning ON the breaker, start EMERGENCY OPERATION in COOL mode.
Is there voltage of 230 VAC between pin1 and pin 2 at connector CN712 ?
No
Replace the 4-way valve.
Yes
Replace the outdoor control P.C. board.

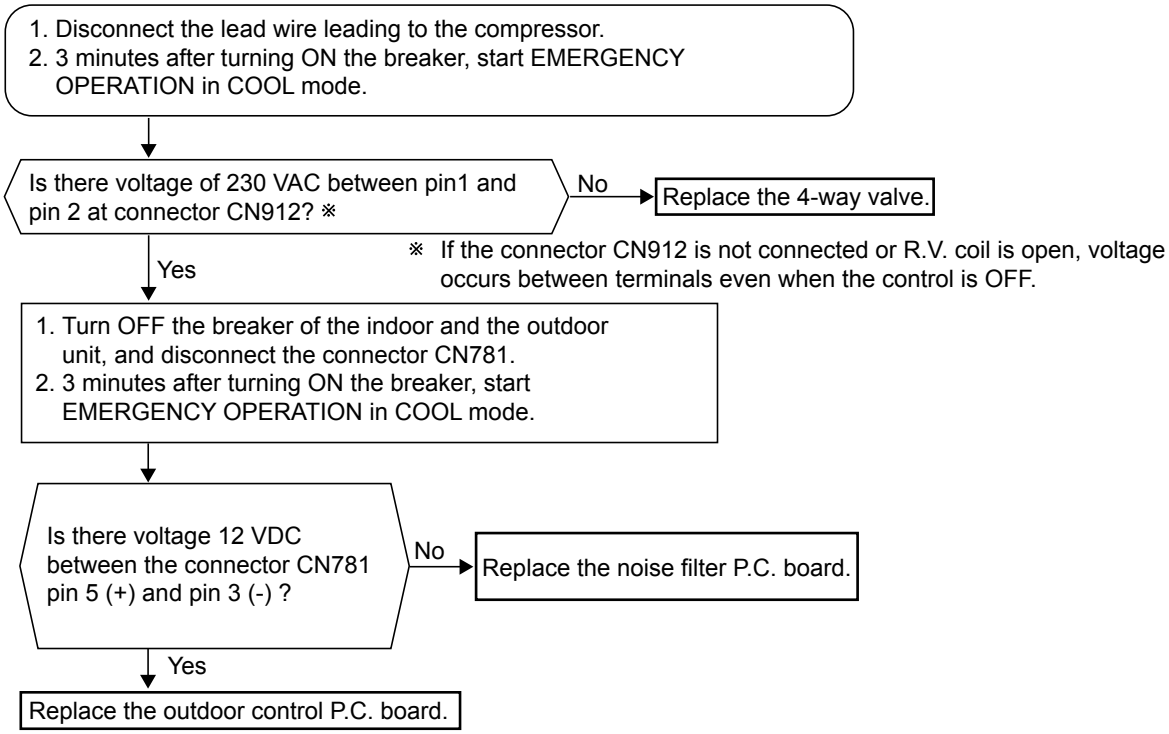
MXZ-4D80VA/5D100VA

	MXZ-4D80VA/5D100VA
CN721	Outdoor control P.C. board

• When heating operation does not work.


1. Disconnect the lead wire leading to the compressor.
2. 3 minutes after turning ON the breaker, start EMERGENCY OPERATION in HEAT mode.
Is there voltage of 230 VAC between pin1 and pin 2 at connector CN912?
No
1. Turn OFF the breaker of the indoor and the outdoor unit, and disconnect the connector CN781.
2. 3 minutes after turning ON the breaker, start EMERGENCY OPERATION in HEAT mode.
Yes
Turn OFF the breaker of the indoor and the outdoor unit.
Disconnect the connector CN912. Is there normal resistance to R.V. coil? (Refer to 11-5.)
No
Replace the R.V. coil.
Is there voltage 12 VDC between the connector CN781 pin 5 (+) and pin 3 (-) ?
No
Replace the electronic control P.C. board.
Yes
Replace the 4-way valve.
Yes
Replace the noise filter P.C. board.

• When cooling operation does not work.

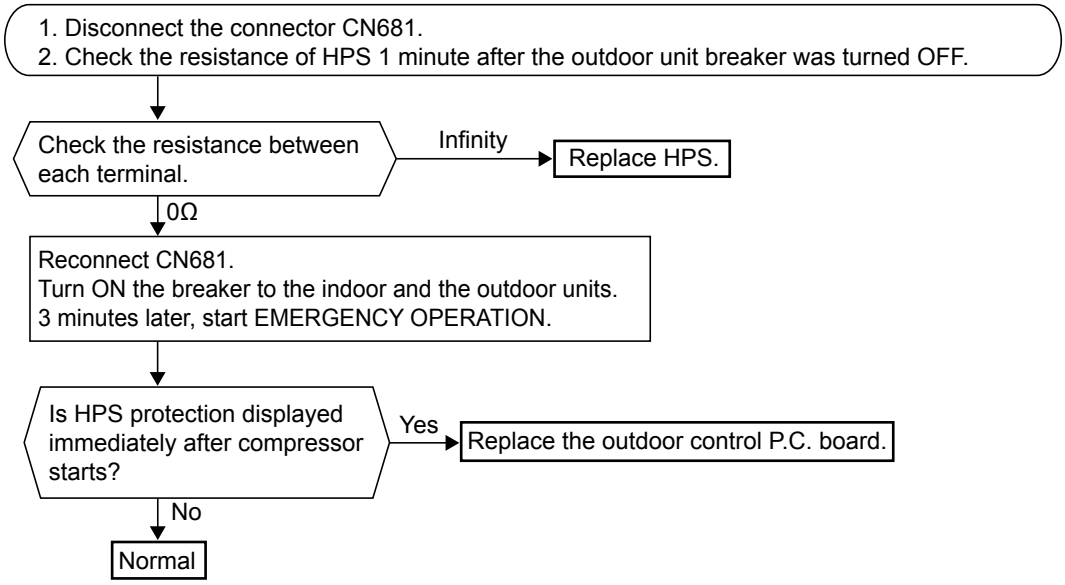

1. Disconnect the lead wire leading to the compressor.
2. 3 minutes after turning ON the breaker, start EMERGENCY OPERATION in COOL mode.
Is there voltage of 230 VAC between pin1 and pin 2 at connector CN912? ※
No
Replace the 4-way valve.
※ If the connector CN912 is not connected or R.V. coil is open, voltage occurs between terminals even when the control is OFF.
Yes
1. Turn OFF the breaker of the indoor and the outdoor unit, and disconnect the connector CN781.
2. 3 minutes after turning ON the breaker, start EMERGENCY OPERATION in COOL mode.
Is there voltage 12 VDC between the connector CN781 pin 5 (+) and pin 3 (-) ?
No
Replace the noise filter P.C. board.
Yes
Replace the outdoor control P.C. board.

• When the operation frequency does not go up from lowest frequency.

Ⓗ Check of HPS

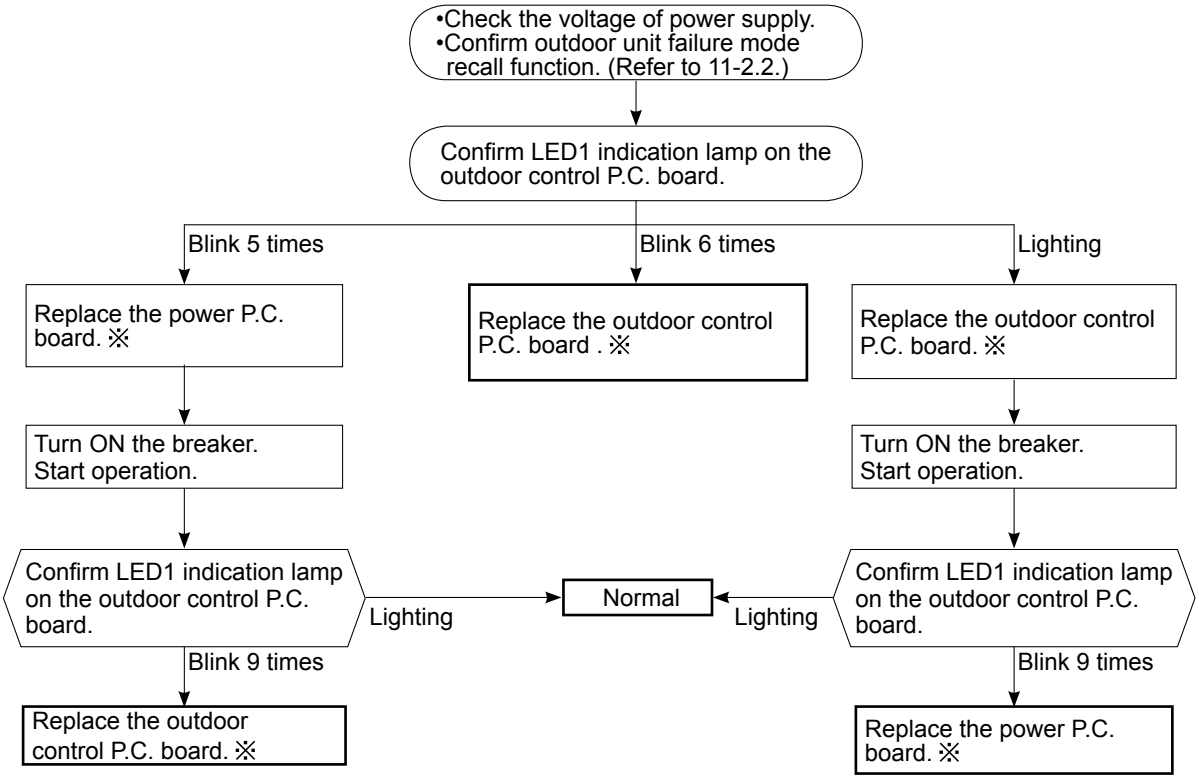
	MXZ-4D71VA/4D80VA/5D100VA
CN681	Outdoor control P.C. board

MXZ-4D71VA/4D80VA/5D100VA


1. Disconnect the connector CN681.
2. Check the resistance of HPS 1 minute after the outdoor unit breaker was turned OFF.
Check the resistance between each terminal.
Infinity
Replace HPS.
0Ω
Reconnect CN681.
Turn ON the breaker to the indoor and the outdoor units.
3 minutes later, start EMERGENCY OPERATION.
Is HPS protection displayed immediately after compressor starts?
Yes
Replace the outdoor control P.C. board.
No
Normal

ⓘ Check of bus-bar voltage

MXZ-3D54VA/4D71VA
MXZ-4D80VA/5D100VA


•Check the voltage of power supply.
•Confirm outdoor unit failure mode recall function. (Refer to 11-2.2.)
Confirm LED1 indication lamp on the outdoor control P.C. board.
Blink 5 times
Blink 6 times
Lighting
Replace the power P.C. board. ※
Replace the outdoor control P.C. board . ※
Replace the outdoor control P.C. board. ※
Turn ON the breaker. Start operation.
Turn ON the breaker. Start operation.
Confirm LED1 indication lamp on the outdoor control P.C. board.
Lighting
Normal
Lighting
Confirm LED1 indication lamp on the outdoor control P.C. board.
Blink 9 times
Blink 9 times
Replace the outdoor control P.C. board. ※
Replace the power P.C. board. ※

※ Turn OFF the breaker before removing P.C. board.

ⓙ The other cases

Indoor unit does not operate. (different operating models in multi system)

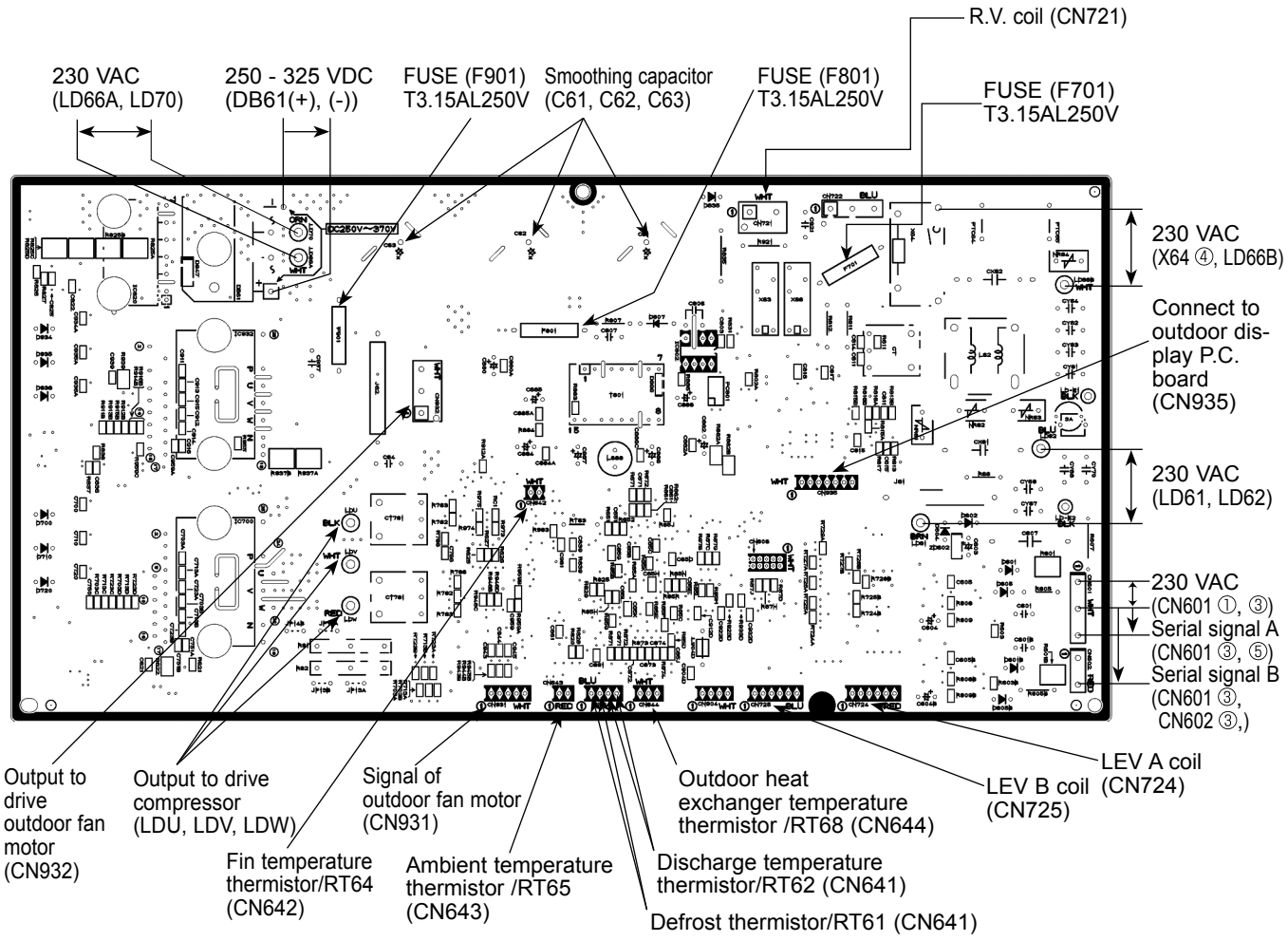
- When you try to run two indoor units simultaneously, one for cooling and the other for heating, the unit which transmits signal to the outdoor unit first decides the operation mode.
- When the above situation occurs, set all the indoor units to the same mode, turn OFF the indoor units, then turn them back ON.
- Though the top of the indoor unit sometimes gets warm, this does not mean malfunction.
  The reason is that the refrigerant gas continuously flows into the indoor unit even while it is not operating.

11-7. TEST POINT DIAGRAM AND VOLTAGE

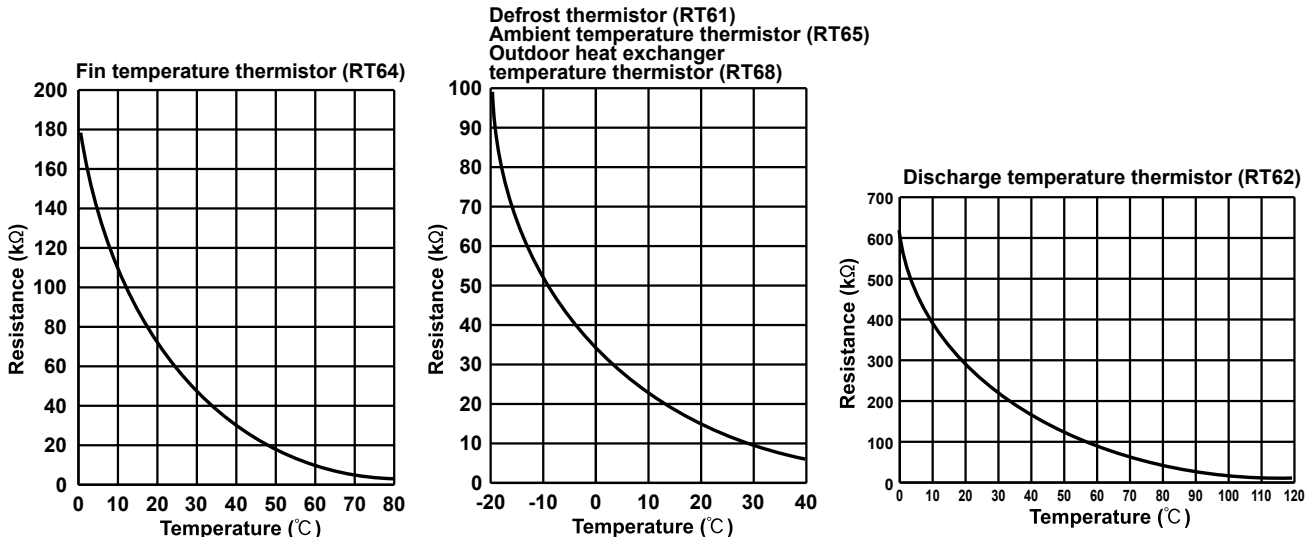
1. Inverter P.C. board

MXZ-2D52VA

Back side of unit



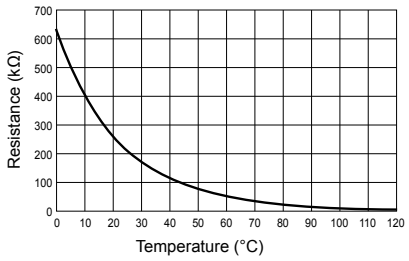
Front side of unit



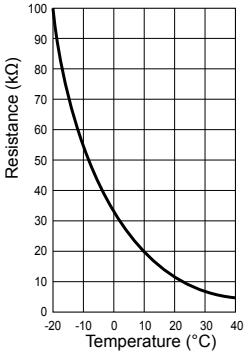
2. Outdoor control P.C. board

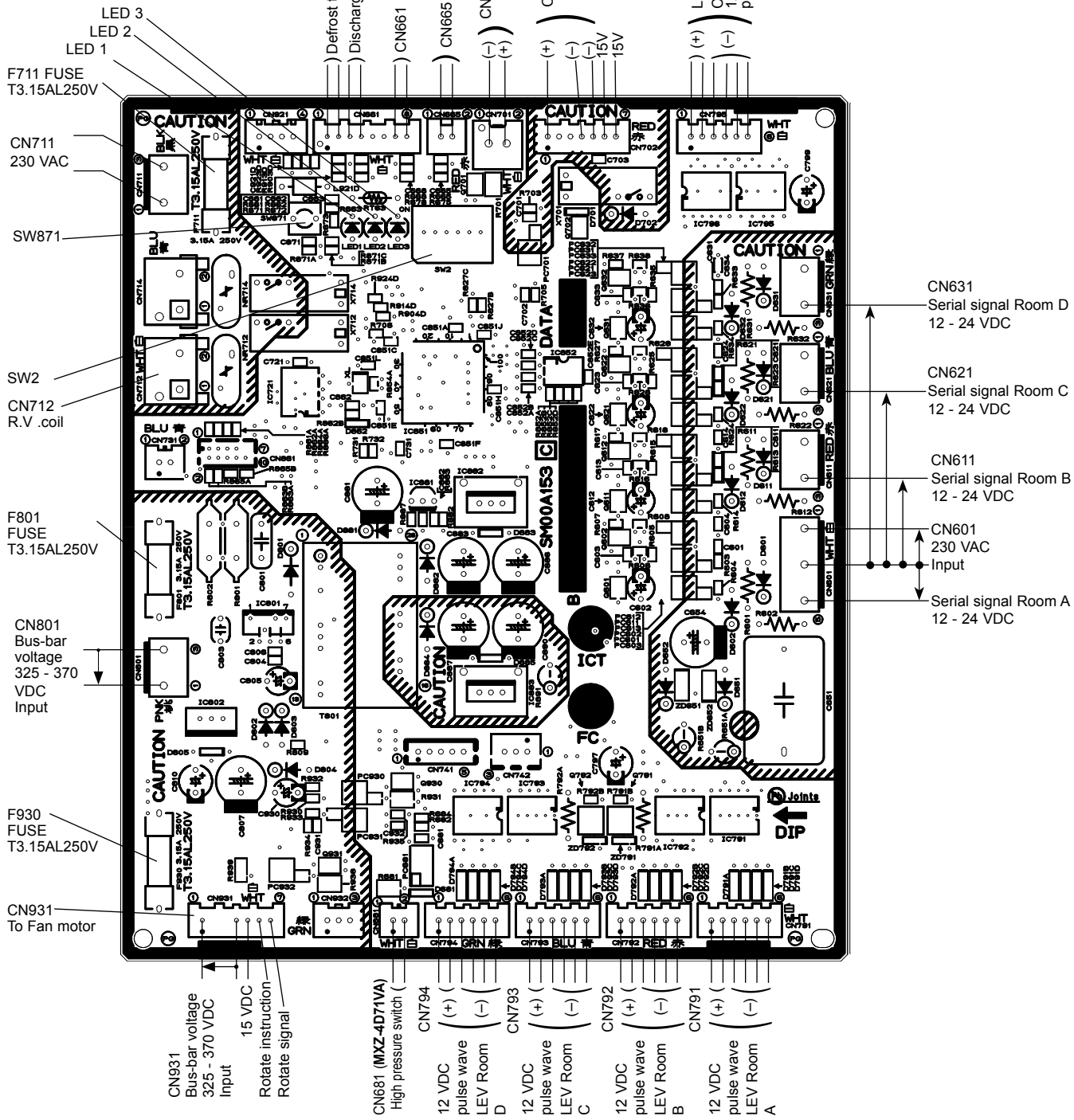
MXZ-3D54VA MXZ-4D71VA

Discharge temperature thermistor (RT62)



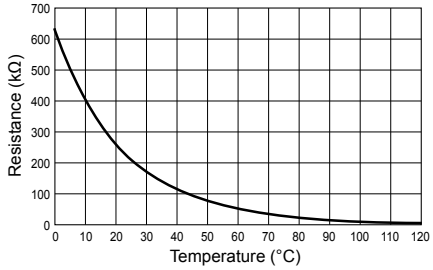
Defrost thermistor (RT61)
Ambient temperature thermistor (RT65)
Outdoor heat exchanger temperature thermistor (RT68)



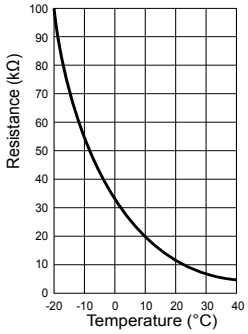


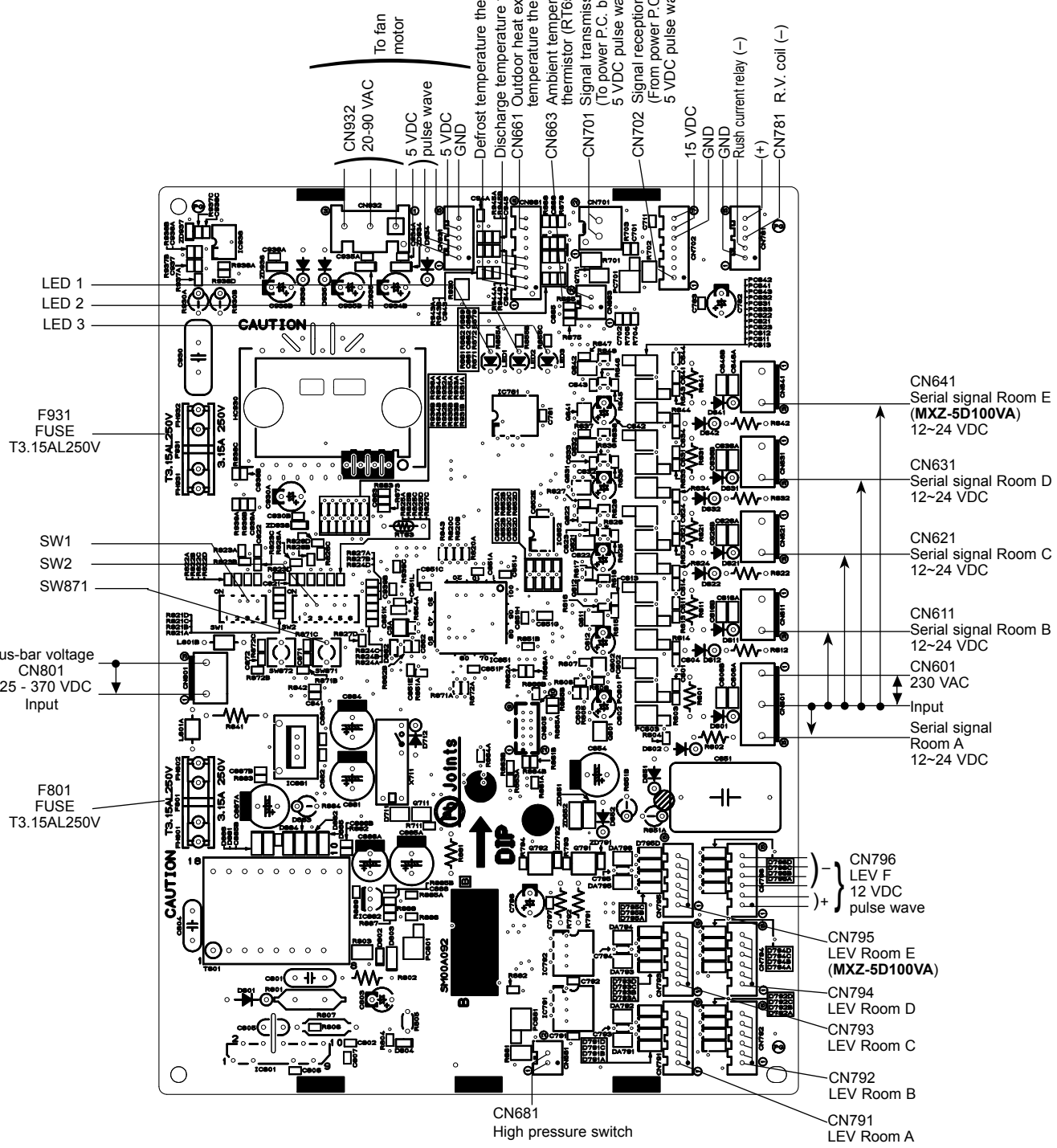
MXZ-4D80VA MXZ-5D100VA

Discharge temperature thermistor (RT62)



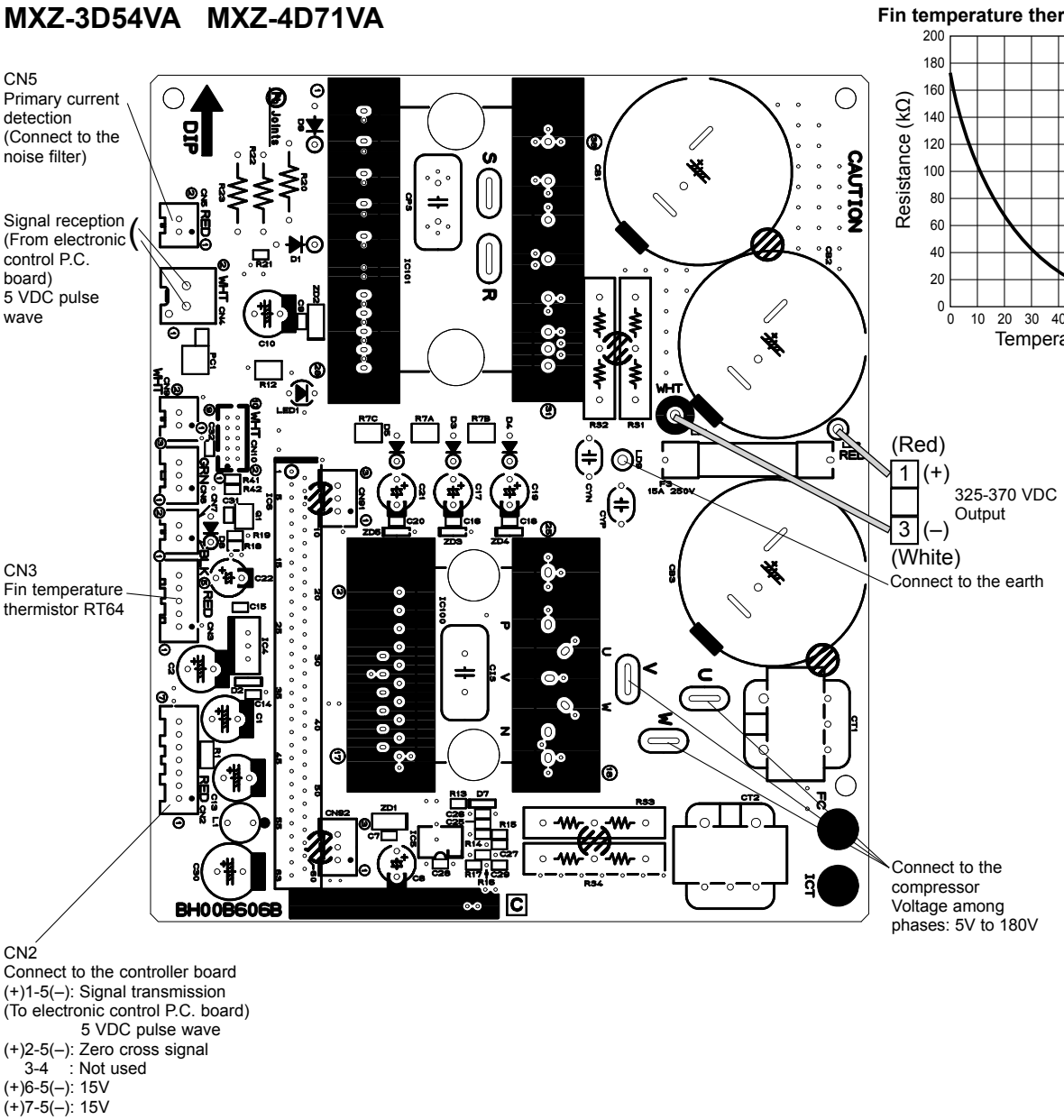
Defrost thermistor (RT61)
Ambient temperature thermistor (RT65)
Outdoor heat exchanger temperature thermistor (RT68)



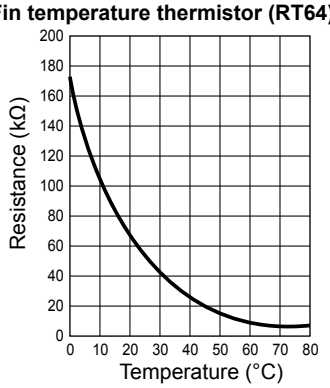

To fan motor
CN932 20-90 VAC
5 VDC pulse wave
5 VDC
GND
Defrost temperature thermistor (RT61)
Discharge temperature thermistor (RT62)
CN661 Outdoor heat exchanger temperature thermistor (RT68)
CN663 Ambient temperature thermistor (RT65)
CN701 Signal transmission (To power P.C. board) 5 VDC pulse wave
CN702 Signal reception (From power P.C. board) 5 VDC pulse wave
15 VDC
GND
GND
Rush current relay (–)
(+)
CN781 R.V. coil (–)
LED 1
LED 2
LED 3
CAUTION
F931 FUSE T3.15AL250V
SW1
SW2
SW871
Bus-bar voltage CN801 325 - 370 VDC Input
F801 FUSE T3.15AL250V
CN641 Serial signal Room E (MXZ-5D100VA) 12~24 VDC
CN631 Serial signal Room D 12~24 VDC
CN621 Serial signal Room C 12~24 VDC
CN611 Serial signal Room B 12~24 VDC
CN601 230 VAC Input
Serial signal Room A 12~24 VDC
CN796 LEV F 12 VDC pulse wave
CN795 LEV Room E (MXZ-5D100VA)
CN794 LEV Room D
CN793 LEV Room C
CN792 LEV Room B
CN791 LEV Room A
CN681 High pressure switch

3. Outdoor power P.C. board

MXZ-3D54VA MXZ-4D71VA

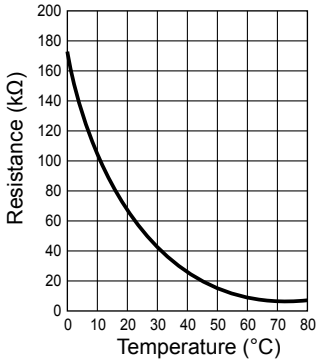


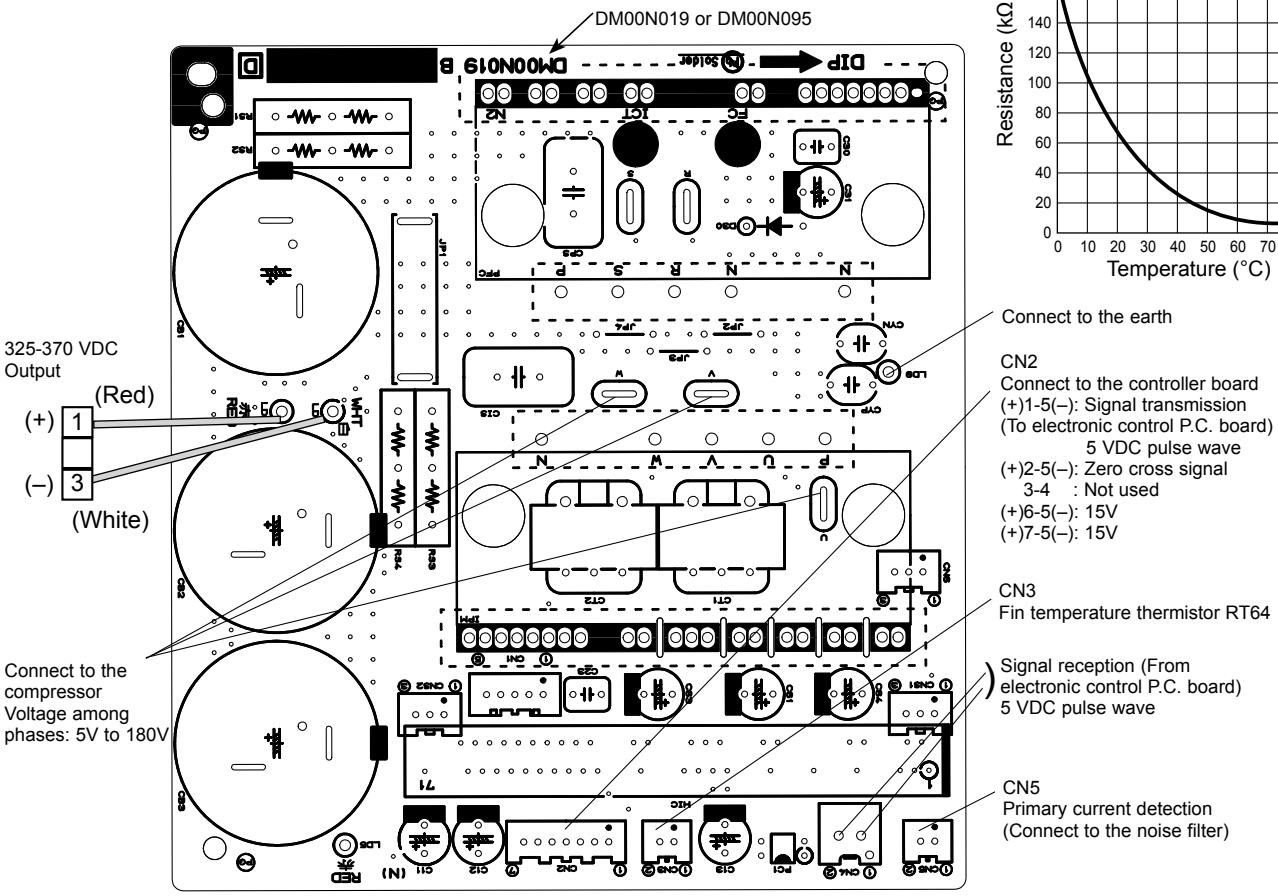
Fin temperature thermistor (RT64)



MXZ-4D80VA MXZ-5D100VA

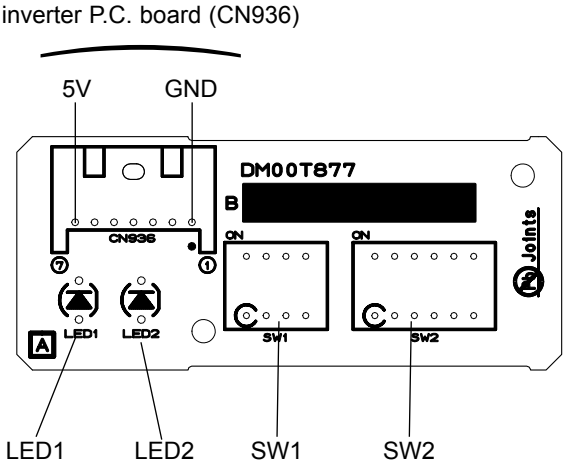
Fin temperature thermistor (RT64)





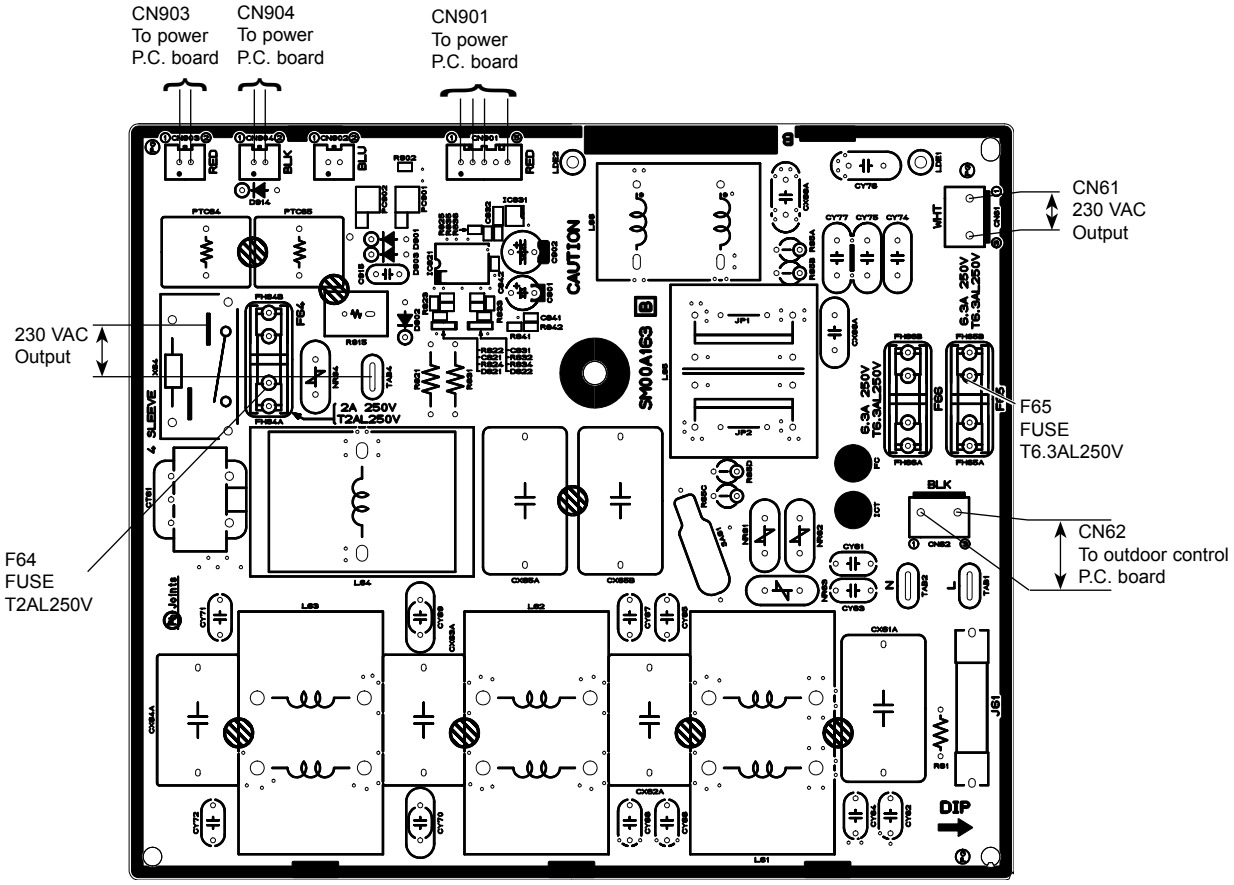
4. Outdoor display P.C. board

MXZ-2D52VA

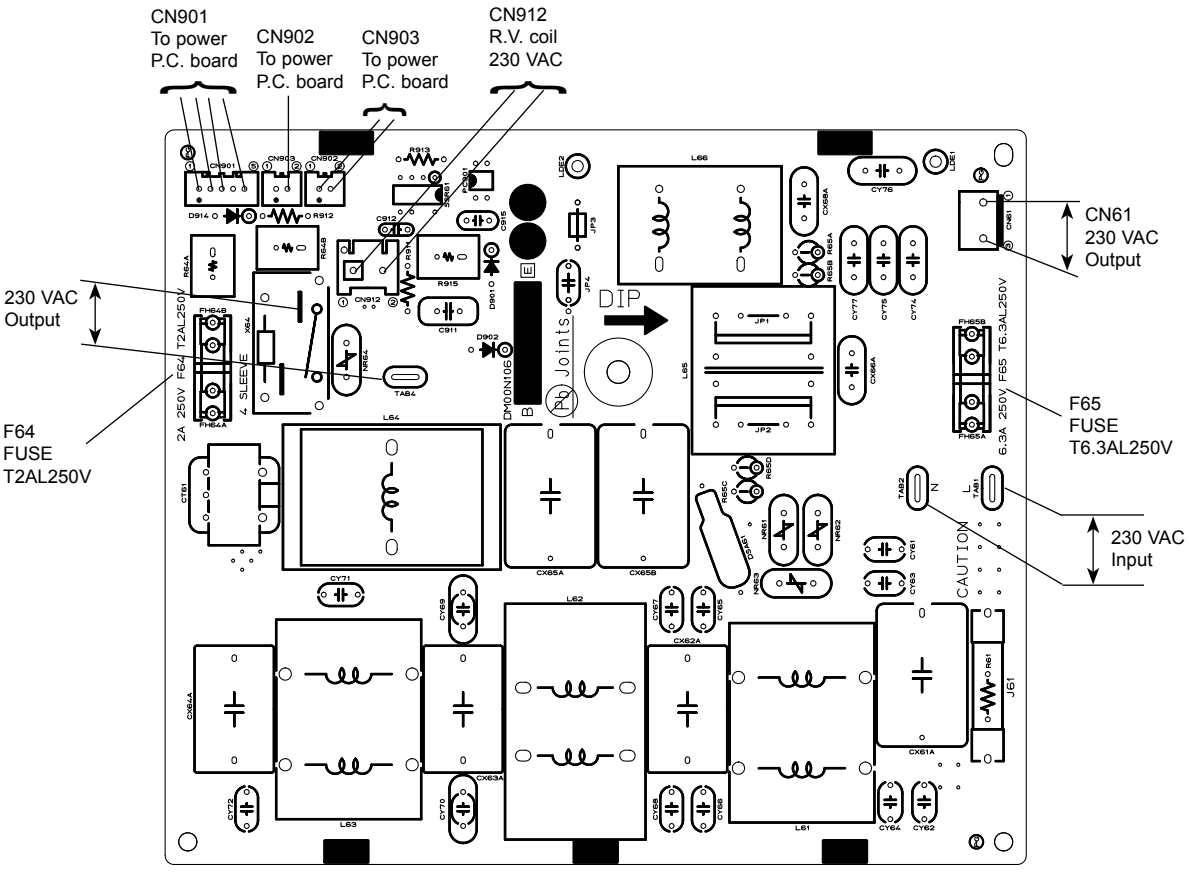


5. Noise filter P.C. board

MXZ-3D54VA MXZ-4D71VA



MXZ-4D80VA MXZ-5D100VA

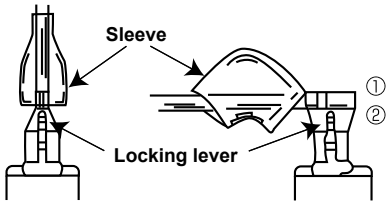


12 DISASSEMBLY INSTRUCTIONS

<"Terminal with locking mechanism" Detaching points>

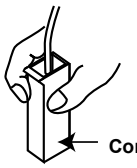
The terminal which has the locking mechanism can be detached as shown below.
There are two types (Refer to (1) and (2)) of the terminal with locking mechanism.
The terminal without locking mechanism can be detached by pulling it out.
Check the shape of the terminal before detaching.

(1) Slide the sleeve and check if there is a locking lever or not.



①Slide the sleeve.
②Pull the terminal while pushing the locking lever.

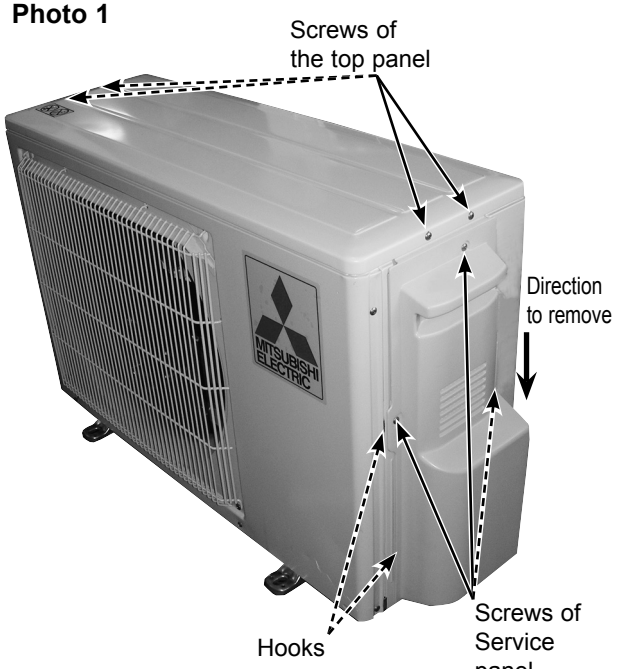
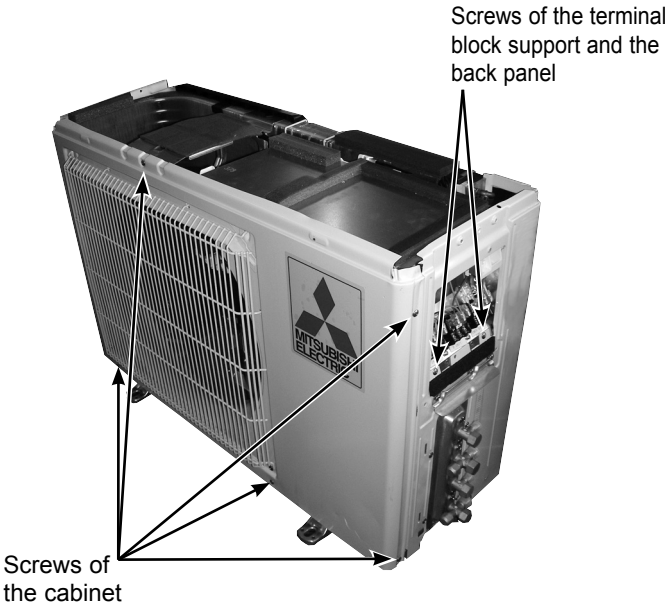
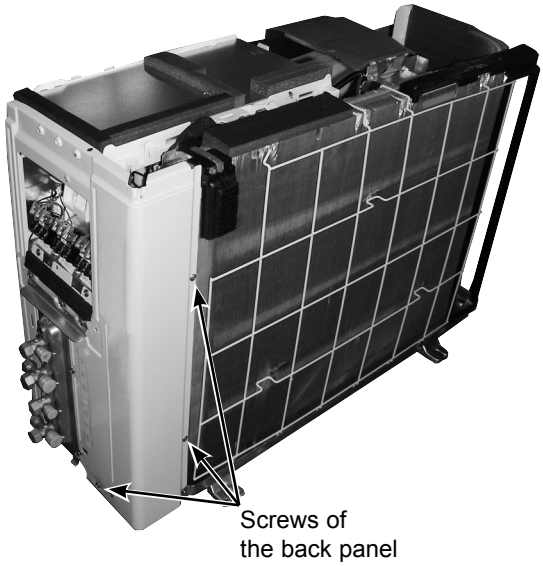
(2) The terminal with this connector has the locking mechanism.

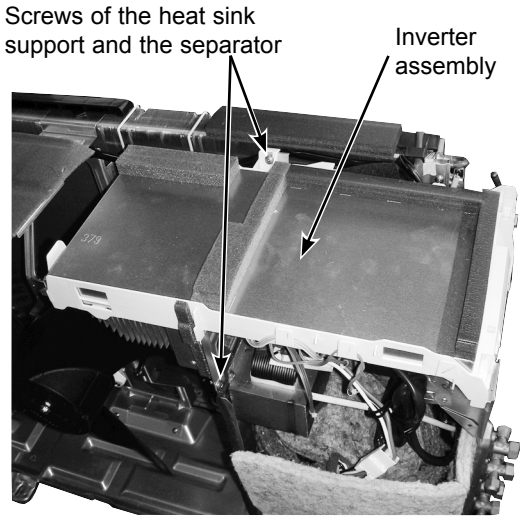
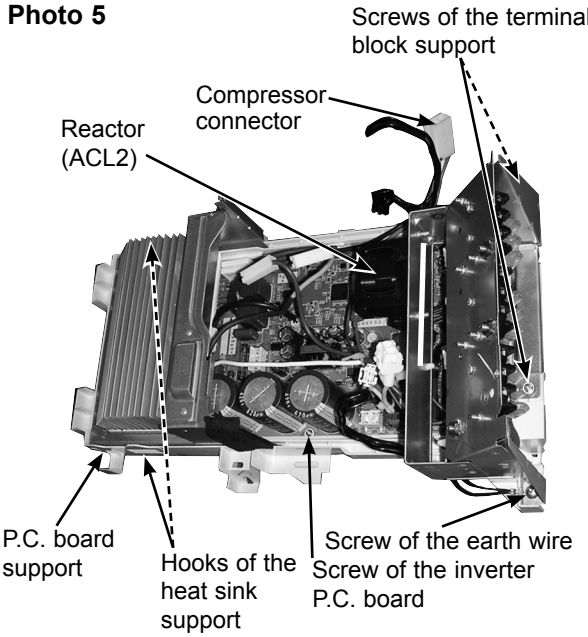
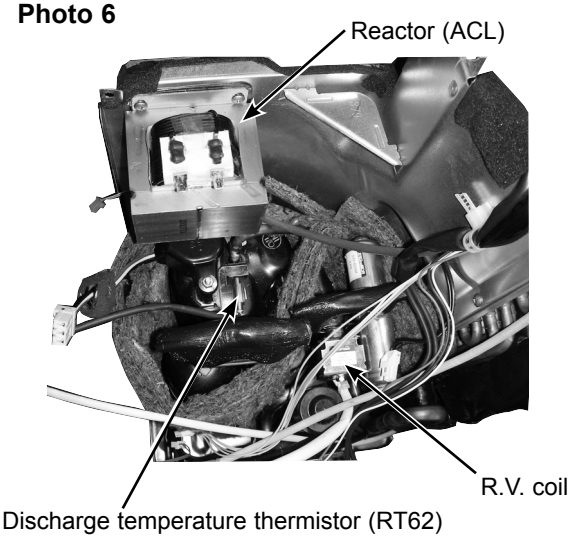


①Hold the sleeve, and pull out the terminal slowly.

12-1. MXZ-2D52VA

NOTE: Turn OFF power supply before disassembly.

OPERATING PROCEDURE	PHOTOS
1. Removing the cabinet and the panels (1) Remove the screw fixing the service panel. (2) Pull down the service panel and remove it. (3) Disconnect the power supply and indoor/outdoor connecting wire. (4) Remove the screws fixing the top panel. (5) Remove the top panel. (6) Remove the screws fixing the cabinet. (7) Remove the cabinet. (8) Remove the screws fixing the back panel. (9) Remove the back panel.	**Photo 1** 
Photo 2  	**Photo 3** 

OPERATING PROCEDURE	PHOTOS
2. Removing the inverter assembly and the inverter P.C. board (1) Remove the service panel, the top panel and the cabinet (Refer to 1). (2) Disconnect the power supply and indoor/outdoor connecting wire and remove the back panel (Refer to 1). (3) Disconnect all connectors and lead wires on the inverter P.C. board. (4) Remove the compressor connector (CNMC). (5) Remove the screws fixing the heat sink support and the separator. (6) Remove the screws of the terminal block support and the back panel. (Photo 2) (7) Remove the inverter assembly. (8) Remove the screw of the earth wire and screws of the terminal block support. (9) Remove the hooks of the heat sink support and remove the heat sink support from the P.C. board support. (10) Remove the screw fixing the inverter P.C. board and remove the inverter P.C. board from the P.C. board support.	**Photo 4** 
3. Removing the R.V. coil (1) Remove the service panel, the top panel and the cabinet (Refer to 1). (2) Disconnect the power supply and indoor/outdoor connecting wire and remove the back panel (Refer to 1). (3) Remove the inverter assembly (Refer to 2). (4) Remove the R.V. coil.	**Photo 5** 
4. Removing the discharge temperature thermistor, defrost thermistor and outdoor heat exchanger temperature thermistor (1) Remove the service panel, the top panel and the cabinet (Refer to 1). (2) Disconnect the power supply and indoor/outdoor connecting wire and remove the back panel (Refer to 1). (3) Remove the inverter assembly (Refer to 2). (4) Pull out the discharge temperature thermistor from its holder. (5) Pull out the defrost thermistor from its holder (Photo 7). (6) Pull out the outdoor heat exchanger temperature thermistor from its holder (Photo 7).	**Photo 6** 

OPERATING PROCEDURE

5. Removing the outdoor fan motor

(1) Remove the service panel, the top panel and the cabinet (Refer to 1).
(2) Disconnect the power supply and indoor/outdoor connecting wire.
(3) Disconnect the connectors for outdoor fan motor.
(4) Remove the propeller nut.
(5) Remove the propeller.
(6) Remove the screws fixing the fan motor.
(7) Remove the fan motor.

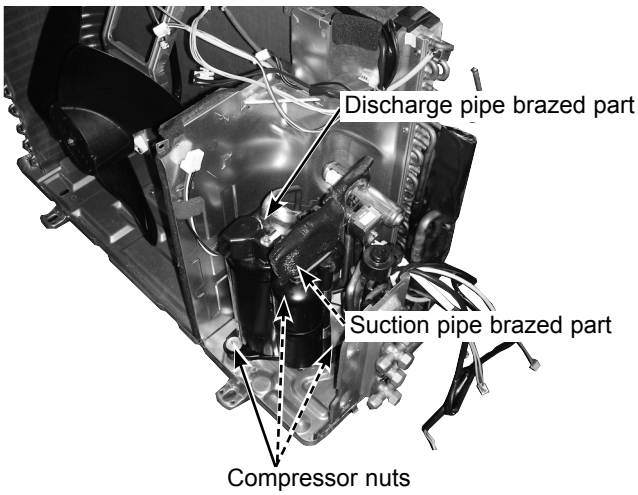
6. Removing the compressor and the 4-way valve

(1) Remove the service panel, the top panel and the cabinet (Refer to 1).
(2) Disconnect the power supply and indoor/outdoor connecting wire and remove the back panel (Refer to 1).
(3) Remove the inverter assembly (Refer to 2).
(4) Recover gas from the refrigerant circuit.

NOTE: Recover gas from the pipes until the pressure gauge shows 0 MPa.

(5) Detach the brazed part of the suction and the discharge pipe connected with compressor.
(6) Remove the nuts of compressor legs.
(7) Remove the compressor.
(8) Detach the brazed part of pipes connected with 4-way valve.

Photo 10



PHOTOS

Photo 7

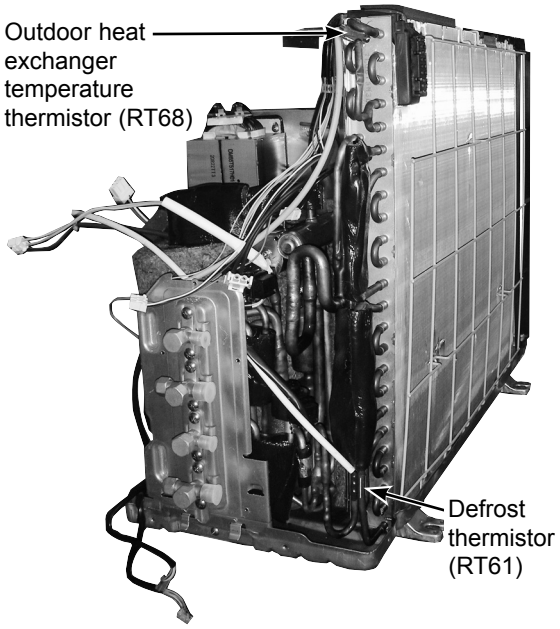


Photo 8

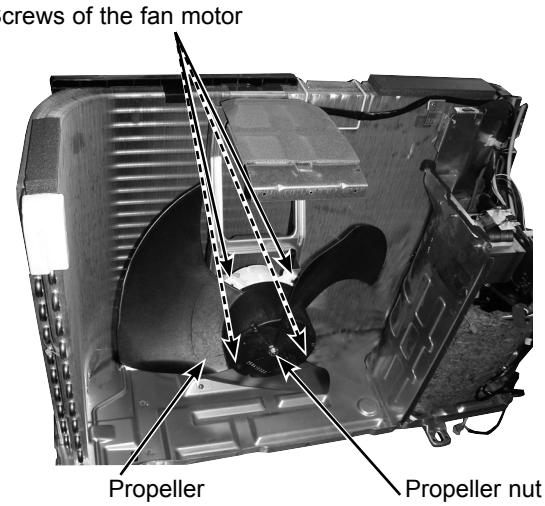
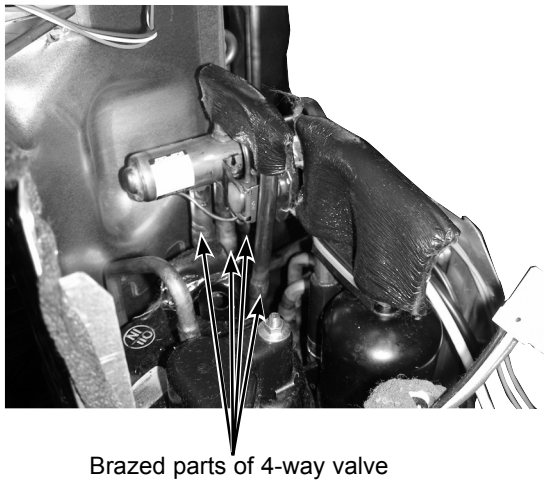
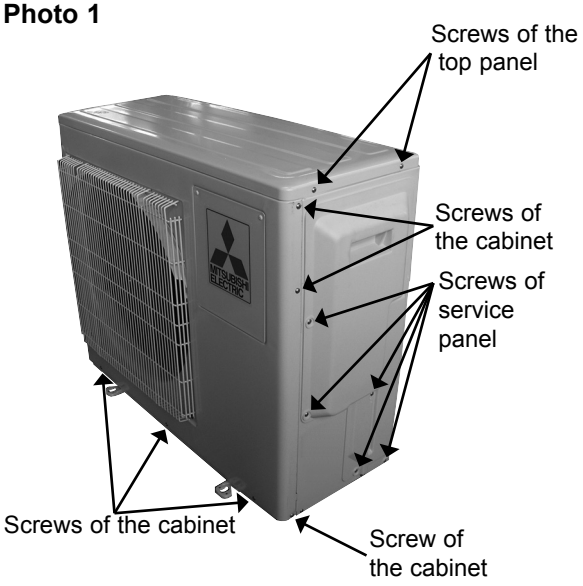
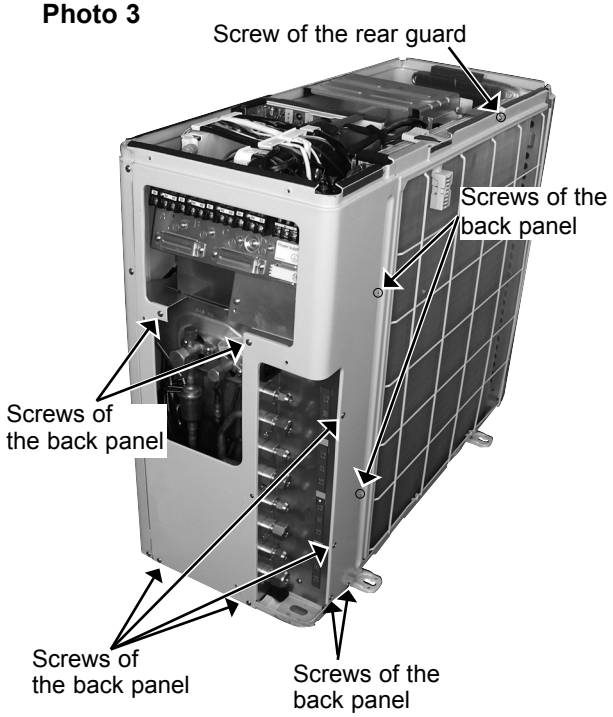
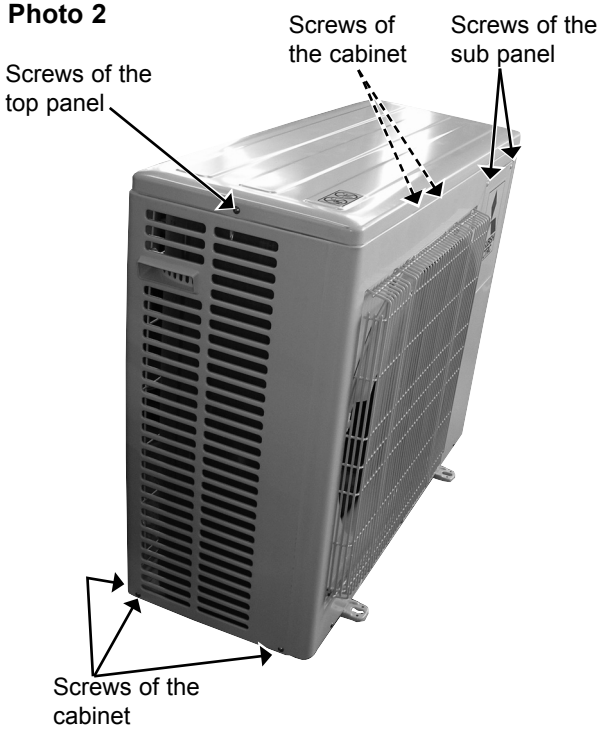


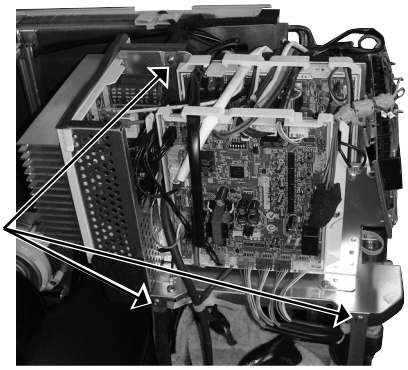
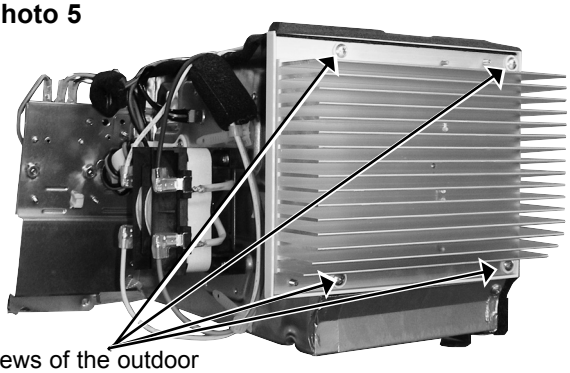
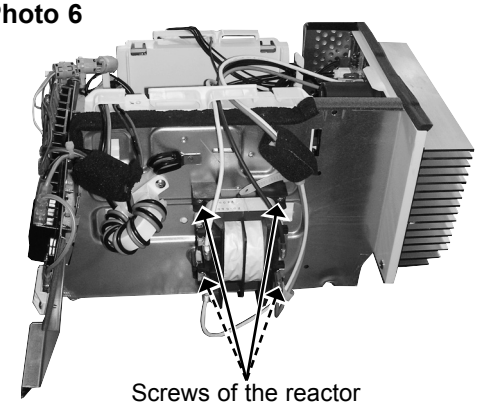
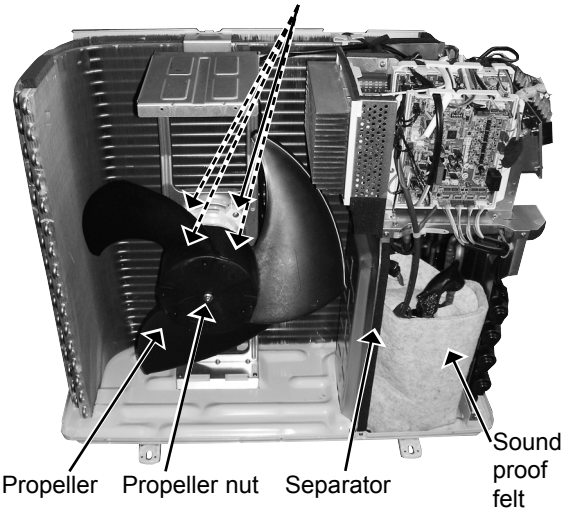
Photo 9

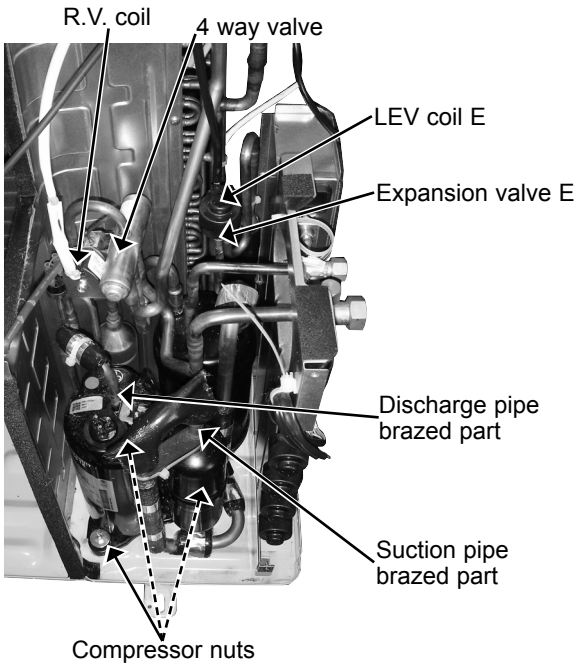
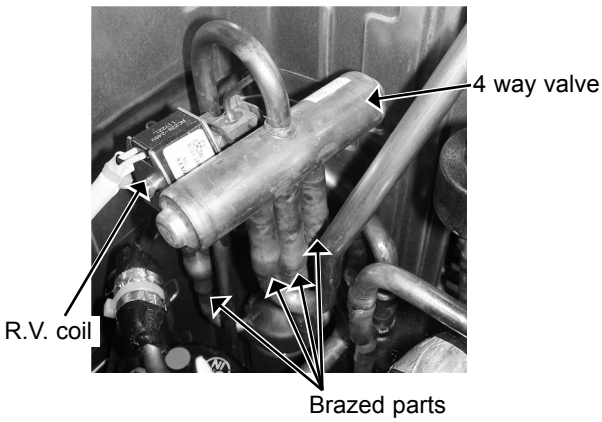
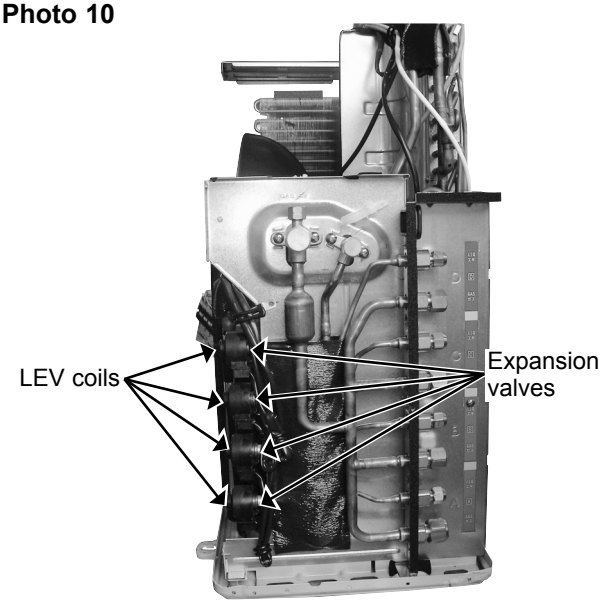


12-2. MXZ-3D54VA MXZ-4D71VA

NOTE: Turn OFF power supply before disassembly.

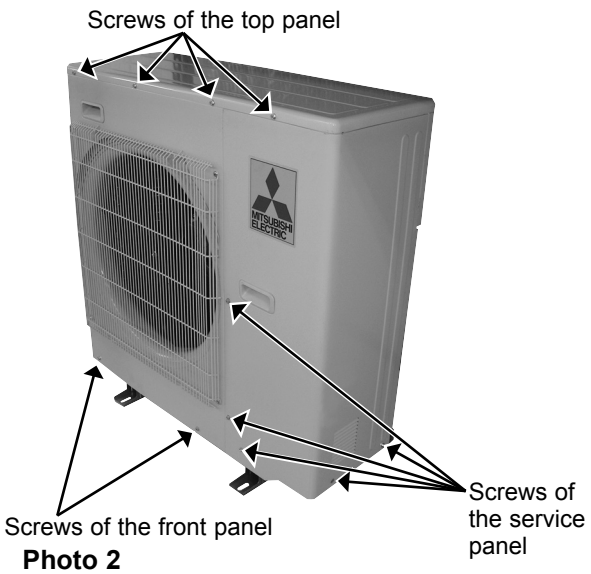
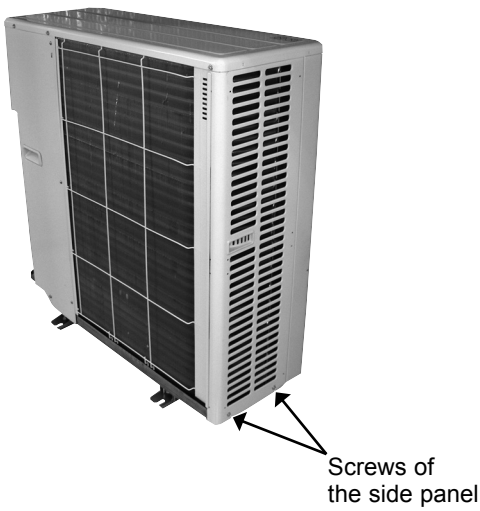
OPERATING PROCEDURE	PHOTOS
1. Removing the cabinet and the panels (1) Remove the screws of the service panel, and remove the service panel. (2) Remove the screws of the top panel, and remove the top panel. (3) Remove the screws of the cabinet, and remove the cabinet. (4) Remove the screws of the back panel, and remove the back panel (Photo 3).	**Photo 1** 
Photo 3  	**Photo 2** 

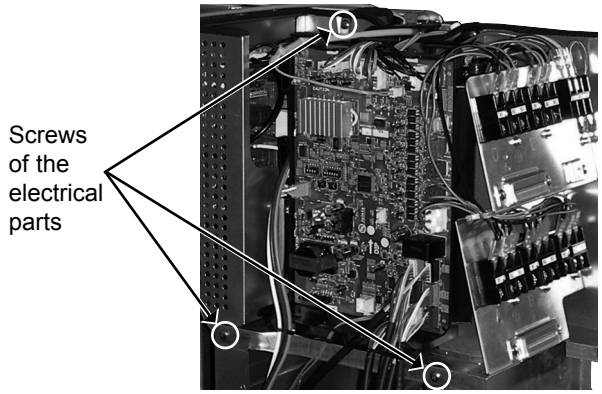
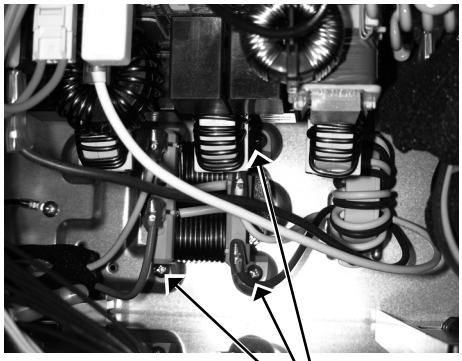
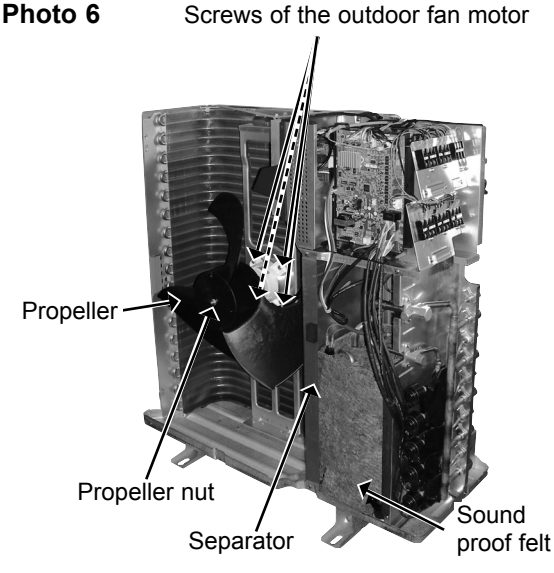
OPERATING PROCEDURE	PHOTOS
2. Removing the outdoor control P.C. board, the outdoor power P.C. board and the noise filter P.C. board (1) Remove the service panel (Photo 1). (2) Remove the top panel, the cabinet, and the back panel (Photo 1, 2, 3). (3) Disconnect all connectors and lead wires on the outdoor control P.C. board. (4) Remove the outdoor control P.C. board. (5) Remove the screws fixing the outdoor power P.C. board. (6) Disconnect all connectors and lead wires on the outdoor power P.C. board. (7) Pull up the power P.C. board and remove it upward. (8) Disconnect all connectors and lead wires on the noise filter P.C. board. (9) Remove the noise filter P.C. board.	**Photo 4**  Screws of the electrical parts **Photo 5**  Screws of the outdoor power P.C. board
3. Removing the reactor (1) Remove the service panel (Photo 1). (2) Remove the top panel, cabinet, back panel, and the electrical parts (Photo 1, 2, 3, 4). (3) Disconnect the reactor lead wire from the terminal of the reactor. (4) Remove the screws of the reactor, and remove the reactor.	**Photo 6**  Screws of the reactor
4. Removing the fan motor (1) Remove the service panel, the top panel, and the cabinet (Photo 1, 2). (2) Disconnect the connector CN931 on the outdoor control P.C. board. (3) Remove the propeller. (4) Remove the fan motor.	**Photo 7** Screws of the outdoor fan motor  Propeller Propeller nut Separator Sound proof felt

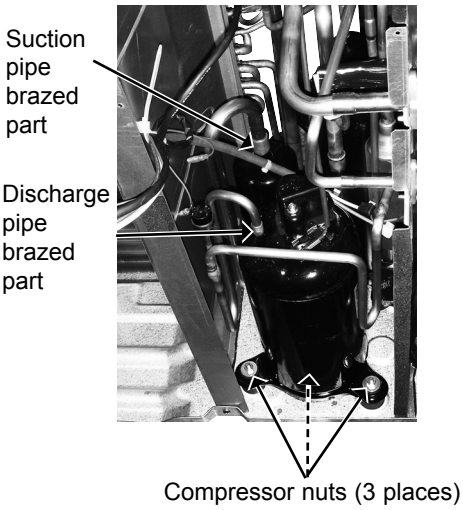
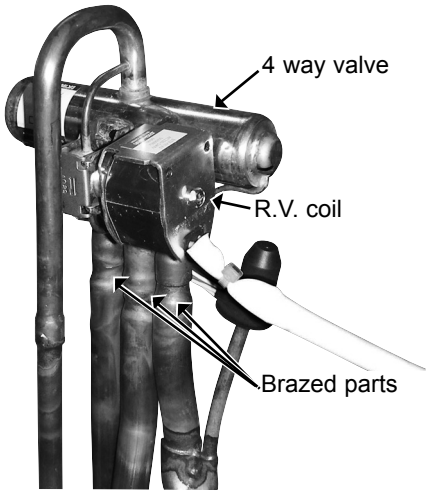
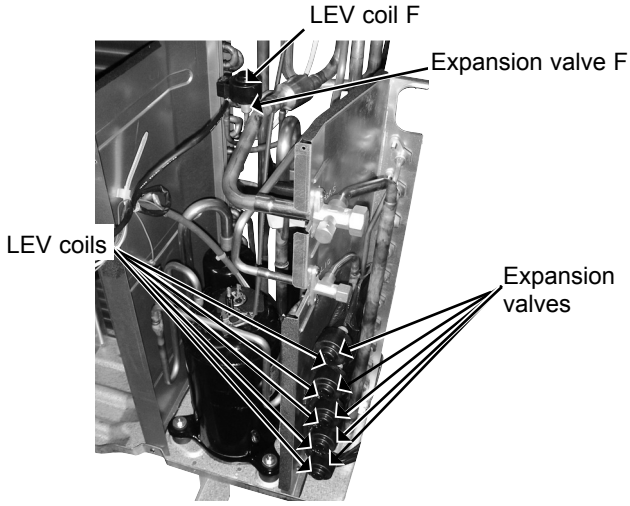
OPERATING PROCEDURE	PHOTOS
5. Removing the compressor and the 4-way valve (1) Remove the service panel (Photo 1). (2) Remove the top panel, the cabinet, and the back panel (Photo 1, 2, 3). (3) Recover gas from the refrigerant circuit. **NOTE:** Recover gas from the pipes until the pressure gauge shows 0 MPa. (4) Disconnect the compressor lead wire from terminal of the compressor (U, V, W). (5) Disconnect the outdoor control P.C. board connectors: CN661, CN665, CN681 (**MXZ-4D71VA**), CN711, CN712, CN791, CN792, CN793, CN794 (**MXZ-4D71VA**), CN795, CN931 (6) Remove the screws of the electrical parts, and remove the electrical parts (Photo 4). (7) Remove the propeller. (8) Remove the screws of the separator, and remove the separator (Photo 7). (9) Remove the sound proof felt (Photo 7). (10) Detach the brazed parts of the compressor suction and discharge pipes. (11) Remove the compressor nuts and remove the compressor. (12) Detach the brazed parts of 4-way valve and pipe.	**Photo 8**  **Photo 9** 
6. Removing the expansion valve (1) Remove the service panel (Photo 1). (2) Remove the top panel, the cabinet, and the back panel (Photo 1, 2, 3). (Gas recovery is not required if the unit is pumped down.) (3) Remove the electrical parts for removing LEV E (Photo 4, 8). (4) Remove the LEV coils. (5) Detach the brazed parts of expansion valves and pipes.	**Photo 10** 

12-3. MXZ-4D80VA MXZ-5D100VA

NOTE: Turn OFF power supply before disassembly.

OPERATING PROCEDURE	PHOTOS
1. Removing the panels (1) Remove the screws of the service panel, and remove the service panel. (2) Remove the screws of the top panel, and remove the service panel. (3) Remove the screws of the front panel, and remove the front panel. (4) Remove the screws of the rear panel, and remove the rear panel.	**Photo 1**  **Photo 2** **Photo 3** 

OPERATING PROCEDURE	PHOTOS
2. Removing the outdoor control P.C. board the outdoor power P.C. board and the noise filter P.C. board (1) Remove the service panel. (2) Remove the top panel, the front panel, and the rear panel. (3) Disconnect all connectors and lead wires on the outdoor control P.C. board. (4) Remove the outdoor control P.C. board. (5) Remove the screws fixing the outdoor power P.C. board. (6) Disconnect all connectors and lead wires on the outdoor power P.C. board. (7) Remove the outdoor power P.C. board. (8) Disconnect all connectors and lead wires on the noise filter P.C. board. (9) Remove the noise filter P.C. board.	**Photo 4** 
3. Removing the reactor (1) Remove the top panel (Photo 1). (2) Disconnect the reactor lead wire. (3) Remove the screws of the reactor, and remove the reactor.	**Photo 5** 
4. Removing the fan motor (1) Remove the service panel, the top panel, and the front panel (Photo 1). (2) Disconnect the connector CN931 and CN932 on the outdoor control P.C. board. (3) Remove the propeller. (4) Remove the fan motor.	**Photo 6** 

OPERATING PROCEDURE	PHOTOS
5. Removing the compressor and the 4-way valve (1) Remove the service panel (Photo 1). (2) Remove the top panel, the front panel and the rear panel. (3) Recover gas from the refrigerant circuit. **NOTE:** Recover gas from the pipes until the pressure gauge shows 0 MPa. (4) Disconnect the compressor lead wire from terminal of compressor (U, V, W). (5) Disconnect the outdoor control P.C. board connectors: CN661, CN663, CN681, CN791, CN792, CN793, CN794, CN795 (**MXZ-5D100VA**), CN796, CN931, CN932 Disconnect the noise filter P.C. board connector: CN912 (6) Remove the screws of the electrical parts, and remove the electrical parts. (7) Remove the propeller. (8) Remove the screws of the separator, and remove the separator (Photo 6). (9) Remove the sound proof felt (Photo 6). (10) Detach the brazed parts of the compressor suction and discharge pipes. (11) Remove the compressor nuts and remove the compressor. (12) Detach the brazed parts of 4-way valve and pipe.	**Photo 7**  **Photo 8** 
6. Removing the expansion valve (1) Remove the service panel (Photo 1, 2). (2) Remove the top panel (Photo 1). (Gas recovery is not required if the unit is pumped down.) (3) Remove the font panel for removing LEV F (Photo 1). (4) Remove the electrical parts for removing LEV F (Photo 4). (5) Remove the LEV coils. (6) Detach the brazed parts of expansion valves and pipes.	**Photo 9** 

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Distributed in Feb. 2014. No.OBH687
Made in Japan

New publication, effective Feb. 2014
Specifications are subject to change without notice.

MXZ-2D52VA COOLING

Indoor units combination	Cooling capacity (kW)			Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Total			
22	2.20	-	2.20 (0.90 - 3.00)	0.430 (0.120 - 0.620)	1.97	95
25	2.50	-	2.50 (0.90 - 3.30)	0.490 (0.120 - 0.690)	2.24	95
33	3.30	-	3.30 (0.90 - 4.00)	0.690 (0.120 - 0.900)	3.16	95
35	3.50	-	3.50 (0.90 - 4.00)	0.730 (0.120 - 0.900)	3.34	95
42	4.20	-	4.20 (1.00 - 4.90)	1.100 (0.160 - 1.500)	5.03	95
50	4.50	-	4.50 (1.00 - 5.00)	1.220 (0.160 - 1.550)	5.58	95
22+22	2.20	2.20	4.40 (1.10 - 5.30)	0.950 (0.250 - 1.330)	4.26	97
22+25	2.20	2.50	4.70 (1.10 - 5.40)	1.070 (0.250 - 1.390)	4.80	97
22+33	2.00	3.00	5.00 (1.10 - 5.60)	1.190 (0.250 - 1.450)	5.33	97
22+35	1.93	3.07	5.00 (1.10 - 5.60)	1.190 (0.250 - 1.450)	5.33	97
22+42	1.75	3.35	5.10 (1.10 - 5.80)	1.250 (0.250 - 1.550)	5.60	97
22+50	1.59	3.61	5.20 (1.10 - 6.00)	1.342 (0.250 - 1.650)	6.02	97
25+25	2.50	2.50	5.00 (1.10 - 5.60)	1.190 (0.250 - 1.450)	5.33	97
25+33	2.20	2.90	5.10 (1.10 - 5.80)	1.250 (0.250 - 1.450)	5.60	97
25+35	2.13	2.98	5.10 (1.10 - 5.80)	1.250 (0.250 - 1.450)	5.60	97
25+42	1.90	3.20	5.10 (1.10 - 5.80)	1.250 (0.250 - 1.550)	5.60	97
25+50	1.73	3.47	5.20 (1.10 - 6.00)	1.342 (0.250 - 1.650)	6.02	97
33+33	2.55	2.55	5.10 (1.10 - 6.00)	1.300 (0.250 - 1.650)	5.83	97
33+35	2.48	2.63	5.10 (1.10 - 6.00)	1.300 (0.250 - 1.650)	5.83	97
35+35	2.60	2.60	5.20 (1.10 - 6.00)	1.342 (0.250 - 1.650)	6.02	97

MXZ-2D52VA HEATING

Indoor units combination	Heating capacity (kW)			Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Total			
22	3.30	-	3.30 (0.90 - 4.00)	0.670 (0.110 - 0.910)	3.07	95
25	3.60	-	3.60 (0.90 - 4.50)	0.730 (0.110 - 1.050)	3.34	95
33	4.00	-	4.00 (0.90 - 4.80)	0.870 (0.110 - 1.150)	3.98	95
35	4.00	-	4.00 (0.90 - 4.80)	0.870 (0.110 - 1.150)	3.98	95
42	4.80	-	4.80 (0.90 - 5.30)	1.580 (0.100 - 2.000)	7.23	95
50	5.00	-	5.00 (0.90 - 5.50)	1.780 (0.100 - 2.080)	8.15	95
22+22	2.85	2.85	5.70 (1.00 - 6.70)	1.420 (0.200 - 1.710)	6.36	97
22+25	2.71	3.09	5.80 (1.00 - 6.80)	1.460 (0.200 - 1.740)	6.54	97
22+33	2.36	3.54	5.90 (1.00 - 7.00)	1.500 (0.200 - 1.760)	6.72	97
22+35	2.28	3.62	5.90 (1.00 - 7.00)	1.500 (0.200 - 1.760)	6.72	97
22+42	2.03	3.87	5.90 (1.00 - 7.00)	1.500 (0.200 - 1.760)	6.72	97
22+50	1.86	4.24	6.10 (1.00 - 7.00)	1.544 (0.200 - 1.760)	6.92	97
25+25	2.95	2.95	5.90 (1.00 - 7.00)	1.500 (0.200 - 1.760)	6.72	97
25+33	2.54	3.36	5.90 (1.00 - 7.00)	1.500 (0.200 - 1.760)	6.72	97
25+35	2.46	3.44	5.90 (1.00 - 7.00)	1.500 (0.200 - 1.760)	6.72	97
25+42	2.20	3.70	5.90 (1.00 - 7.00)	1.500 (0.200 - 1.760)	6.72	97
25+50	2.03	4.07	6.10 (1.00 - 7.00)	1.544 (0.200 - 1.760)	6.92	97
33+33	3.00	3.00	6.00 (1.00 - 7.00)	1.520 (0.200 - 1.760)	6.81	97
33+35	2.91	3.09	6.00 (1.00 - 7.00)	1.520 (0.200 - 1.760)	6.81	97
35+35	3.05	3.05	6.10 (1.00 - 7.00)	1.544 (0.200 - 1.760)	6.92	97

MXZ-3D54VA COOLING

Indoor units combination	Cooling capacity (kW)				Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Total			
22	2.20	-	-	2.20 (1.40 - 3.00)	0.510 (0.420 - 0.740)	2.24	99
25	2.50	-	-	2.50 (1.40 - 3.30)	0.580 (0.420 - 0.830)	2.55	99
33	3.30	-	-	3.30 (1.40 - 4.30)	0.780 (0.430 - 1.180)	3.43	99
35	3.50	-	-	3.50 (1.50 - 4.30)	0.820 (0.430 - 1.180)	3.60	99
42	4.20	-	-	4.20 (1.60 - 5.00)	1.080 (0.450 - 1.420)	4.74	99
50	5.00	-	-	5.00 (1.60 - 5.60)	1.430 (0.480 - 1.660)	6.28	99
22+22	2.20	2.20	-	4.40 (2.00 - 5.40)	0.860 (0.540 - 1.450)	3.78	99
22+25	2.20	2.50	-	4.70 (2.00 - 5.70)	0.960 (0.540 - 1.600)	4.22	99
22+33	2.12	3.18	-	5.30 (2.00 - 6.80)	1.150 (0.540 - 2.320)	5.05	99
22+35	2.05	3.25	-	5.30 (2.00 - 6.80)	1.150 (0.540 - 2.320)	5.05	99
22+42	1.82	3.48	-	5.30 (2.00 - 6.80)	1.150 (0.540 - 2.320)	5.05	99
22+50	1.62	3.68	-	5.30 (2.00 - 6.80)	1.130 (0.540 - 2.310)	4.96	99
25+25	2.50	2.50	-	5.00 (2.00 - 6.00)	1.050 (0.540 - 1.750)	4.61	99
25+33	2.28	3.02	-	5.30 (2.00 - 6.80)	1.150 (0.540 - 2.320)	5.05	99
25+35	2.21	3.09	-	5.30 (2.00 - 6.80)	1.150 (0.540 - 2.320)	5.05	99
25+42	1.98	3.32	-	5.30 (2.00 - 6.80)	1.150 (0.540 - 2.320)	5.05	99
25+50	1.77	3.53	-	5.30 (2.00 - 6.80)	1.130 (0.540 - 2.310)	4.96	99
33+33	2.65	2.65	-	5.30 (2.00 - 6.80)	1.150 (0.540 - 2.320)	5.05	99
33+35	2.57	2.73	-	5.30 (2.00 - 6.80)	1.150 (0.540 - 2.320)	5.05	99
33+42	2.33	2.97	-	5.30 (2.00 - 6.80)	1.150 (0.540 - 2.320)	5.05	99
33+50	2.11	3.19	-	5.30 (2.00 - 6.80)	1.130 (0.540 - 2.310)	4.96	99
35+35	2.65	2.65	-	5.30 (2.00 - 6.80)	1.150 (0.540 - 2.320)	5.05	99
35+42	2.41	2.89	-	5.30 (2.00 - 6.80)	1.150 (0.540 - 2.320)	5.05	99
35+50	2.18	3.12	-	5.30 (2.00 - 6.80)	1.130 (0.550 - 2.310)	4.96	99
42+42	2.65	2.65	-	5.30 (2.00 - 6.80)	1.150 (0.550 - 2.320)	5.05	99
42+50	2.42	2.88	-	5.30 (2.00 - 6.80)	1.130 (0.550 - 2.310)	4.96	99
50+50	2.65	2.65	-	5.30 (2.10 - 6.80)	1.110 (0.560 - 2.340)	4.87	99
22+22+22	1.77	1.77	1.77	5.30 (2.90 - 6.80)	1.150 (0.670 - 1.770)	5.05	99
22+22+25	1.69	1.69	1.92	5.30 (2.90 - 6.80)	1.150 (0.670 - 1.770)	5.05	99
22+22+33	1.54	1.54	2.31	5.40 (2.90 - 6.80)	1.184 (0.670 - 1.770)	5.20	99
22+22+35	1.50	1.50	2.39	5.40 (2.90 - 6.80)	1.184 (0.670 - 1.770)	5.20	99
22+22+42	1.38	1.38	2.64	5.40 (2.90 - 6.80)	1.164 (0.670 - 1.760)	5.11	99
22+22+50	1.26	1.26	2.87	5.40 (2.90 - 6.80)	1.154 (0.670 - 1.750)	5.07	99
22+25+25	1.62	1.84	1.84	5.30 (2.90 - 6.80)	1.150 (0.670 - 1.770)	5.05	99
22+25+33	1.49	1.69	2.23	5.40 (2.90 - 6.80)	1.184 (0.670 - 1.770)	5.20	99
22+25+35	1.45	1.65	2.30	5.40 (2.90 - 6.80)	1.184 (0.670 - 1.770)	5.20	99
22+25+42	1.33	1.52	2.55	5.40 (2.90 - 6.80)	1.164 (0.670 - 1.760)	5.11	99
22+25+50	1.22	1.39	2.78	5.40 (2.90 - 6.80)	1.154 (0.670 - 1.750)	5.07	99
22+33+33	1.35	2.03	2.03	5.40 (2.90 - 6.80)	1.184 (0.670 - 1.770)	5.20	99
22+33+35	1.32	1.98	2.10	5.40 (2.90 - 6.80)	1.184 (0.670 - 1.770)	5.20	99
22+33+42	1.22	1.84	2.34	5.40 (2.90 - 6.80)	1.164 (0.670 - 1.760)	5.11	99

MXZ-3D54VA COOLING

Indoor units combination	Cooling capacity (kW)				Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Total			
22+35+35	1.29	2.05	2.05	5.40 (2.90 - 6.80)	1.184 (0.670 - 1.770)	5.20	99
22+35+42	1.20	1.91	2.29	5.40 (2.90 - 6.80)	1.164 (0.670 - 1.760)	5.11	99
25+25+25	1.80	1.80	1.80	5.40 (2.90 - 6.80)	1.184 (0.670 - 1.770)	5.20	99
25+25+33	1.63	1.63	2.15	5.40 (2.90 - 6.80)	1.184 (0.670 - 1.770)	5.20	99
25+25+35	1.59	1.59	2.22	5.40 (2.90 - 6.80)	1.184 (0.670 - 1.770)	5.20	99
25+25+42	1.47	1.47	2.47	5.40 (2.90 - 6.80)	1.164 (0.670 - 1.760)	5.11	99
25+25+50	1.35	1.35	2.70	5.40 (2.90 - 6.80)	1.154 (0.670 - 1.750)	5.07	99
25+33+33	1.48	1.96	1.96	5.40 (2.90 - 6.80)	1.184 (0.670 - 1.770)	5.20	99
25+33+35	1.45	1.92	2.03	5.40 (2.90 - 6.80)	1.184 (0.670 - 1.770)	5.20	99
25+35+35	1.42	1.99	1.99	5.40 (2.90 - 6.80)	1.184 (0.670 - 1.770)	5.20	99

MXZ-3D54VA HEATING

Indoor units combination	Heating capacity (kW)				Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Total			
22	3.30	-	-	3.30 (1.20 - 4.20)	0.780 (0.380 - 1.090)	3.43	99
25	3.60	-	-	3.60 (1.20 - 4.50)	0.880 (0.380 - 1.190)	3.86	99
33	4.00	-	-	4.00 (1.20 - 4.80)	1.020 (0.380 - 1.300)	4.48	99
35	4.00	-	-	4.00 (1.20 - 4.80)	1.020 (0.380 - 1.300)	4.48	99
42	5.40	-	-	5.40 (1.30 - 6.50)	1.400 (0.370 - 1.800)	6.15	99
50	6.80	-	-	6.80 (1.40 - 8.20)	1.770 (0.370 - 2.300)	7.77	99
22+22	3.30	3.30	-	6.60 (1.80 - 7.20)	1.500 (0.410 - 1.710)	6.59	99
22+25	3.14	3.56	-	6.70 (1.80 - 8.10)	1.540 (0.410 - 1.980)	6.76	99
22+33	2.72	4.08	-	6.80 (1.80 - 9.00)	1.580 (0.410 - 2.000)	6.94	99
22+35	2.62	4.18	-	6.80 (1.80 - 9.00)	1.580 (0.410 - 2.250)	6.94	99
22+42	2.34	4.46	-	6.80 (1.80 - 9.00)	1.560 (0.410 - 2.250)	6.85	99
22+50	2.08	4.72	-	6.80 (1.80 - 9.00)	1.530 (0.380 - 2.240)	6.72	99
25+25	3.40	3.40	-	6.80 (1.80 - 9.00)	1.580 (0.410 - 2.250)	6.94	99
25+33	2.93	3.87	-	6.80 (1.80 - 9.00)	1.580 (0.410 - 2.250)	6.94	99
25+35	2.83	3.97	-	6.80 (1.80 - 9.00)	1.580 (0.410 - 2.250)	6.94	99
25+42	2.54	4.26	-	6.80 (1.80 - 9.00)	1.560 (0.410 - 2.250)	6.85	99
25+50	2.27	4.53	-	6.80 (1.80 - 9.00)	1.500 (0.380 - 2.230)	6.59	99
33+33	3.40	3.40	-	6.80 (1.80 - 9.00)	1.580 (0.410 - 2.250)	6.94	99
33+35	3.30	3.50	-	6.80 (1.80 - 9.00)	1.580 (0.410 - 2.250)	6.94	99
33+42	2.99	3.81	-	6.80 (1.80 - 9.00)	1.510 (0.410 - 2.230)	6.63	99
33+50	2.70	4.10	-	6.80 (1.80 - 9.00)	1.410 (0.380 - 2.190)	6.19	99
35+35	3.40	3.40	-	6.80 (1.80 - 9.00)	1.580 (0.410 - 2.250)	6.94	99
35+42	3.09	3.71	-	6.80 (1.80 - 9.00)	1.490 (0.410 - 2.220)	6.54	99
35+50	2.80	4.00	-	6.80 (1.80 - 9.00)	1.410 (0.380 - 2.180)	6.19	99
42+42	3.40	3.40	-	6.80 (1.80 - 9.00)	1.440 (0.410 - 2.190)	6.32	99
42+50	3.10	3.70	-	6.80 (1.80 - 9.00)	1.370 (0.380 - 2.120)	6.02	99
50+50	3.40	3.40	-	6.80 (1.90 - 9.00)	1.390 (0.360 - 2.040)	6.10	99
22+22+22	2.27	2.27	2.27	6.80 (2.60 - 9.00)	1.500 (0.500 - 2.020)	6.59	99
22+22+25	2.20	2.20	2.50	6.90 (2.60 - 9.00)	1.510 (0.500 - 2.020)	6.63	99
22+22+33	2.00	2.00	3.00	7.00 (2.60 - 9.00)	1.541 (0.500 - 2.020)	6.77	99
22+22+35	1.95	1.95	3.10	7.00 (2.60 - 9.00)	1.541 (0.500 - 2.020)	6.77	99
22+22+42	1.79	1.79	3.42	7.00 (2.60 - 9.00)	1.521 (0.500 - 1.980)	6.68	99
22+22+50	1.64	1.64	3.72	7.00 (2.60 - 9.00)	1.511 (0.500 - 1.950)	6.64	99
22+25+25	2.11	2.40	2.40	6.90 (2.60 - 9.00)	1.530 (0.500 - 2.020)	6.72	99
22+25+33	1.93	2.19	2.89	7.00 (2.60 - 9.00)	1.541 (0.500 - 2.020)	6.77	99
22+25+35	1.88	2.13	2.99	7.00 (2.60 - 9.00)	1.541 (0.500 - 2.020)	6.77	99
22+25+42	1.73	1.97	3.30	7.00 (2.60 - 9.00)	1.521 (0.500 - 1.980)	6.68	99
22+25+50	1.59	1.80	3.61	7.00 (2.60 - 9.00)	1.511 (0.500 - 1.950)	6.64	99
22+33+33	1.75	2.63	2.63	7.00 (2.60 - 9.00)	1.541 (0.500 - 2.020)	6.77	99
22+33+35	1.71	2.57	2.72	7.00 (2.60 - 9.00)	1.541 (0.500 - 2.020)	6.77	99
22+33+42	1.59	2.38	3.03	7.00 (2.60 - 9.00)	1.521 (0.500 - 1.980)	6.68	99

MXZ-3D54VA HEATING

Indoor units combination	Heating capacity (kW)				Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Total			
22+35+35	1.67	2.66	2.66	7.00 (2.60 - 9.00)	1.541 (0.500 - 2.020)	6.77	99
22+35+42	1.56	2.47	2.97	7.00 (2.60 - 9.00)	1.521 (0.500 - 1.980)	6.68	99
25+25+25	2.33	2.33	2.33	7.00 (2.60 - 9.00)	1.541 (0.500 - 2.020)	6.77	99
25+25+33	2.11	2.11	2.78	7.00 (2.60 - 9.00)	1.541 (0.500 - 2.020)	6.77	99
25+25+35	2.06	2.06	2.88	7.00 (2.60 - 9.00)	1.541 (0.500 - 2.020)	6.77	99
25+25+42	1.90	1.90	3.20	7.00 (2.60 - 9.00)	1.521 (0.500 - 1.980)	6.68	99
25+25+50	1.75	1.75	3.50	7.00 (2.60 - 9.00)	1.511 (0.500 - 1.950)	6.64	99
25+33+33	1.92	2.54	2.54	7.00 (2.60 - 9.00)	1.541 (0.500 - 2.020)	6.77	99
25+33+35	1.88	2.48	2.63	7.00 (2.60 - 9.00)	1.541 (0.500 - 2.020)	6.77	99
25+35+35	1.84	2.58	2.58	7.00 (2.60 - 9.00)	1.541 (0.500 - 2.020)	6.77	99

MXZ-4D71VA COOLING

Indoor units combination	Cooling capacity (kW)					Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Total			
22	2.20	-	-	-	2.20 (1.40 - 3.00)	0.510 (0.420 - 0.740)	2.24	99
25	2.50	-	-	-	2.50 (1.40 - 3.30)	0.580 (0.420 - 0.830)	2.55	99
33	3.30	-	-	-	3.30 (1.50 - 4.30)	0.760 (0.430 - 1.180)	3.34	99
35	3.50	-	-	-	3.50 (1.50 - 4.30)	0.800 (0.430 - 1.180)	3.51	99
42	4.20	-	-	-	4.20 (1.60 - 5.00)	1.060 (0.450 - 1.420)	4.66	99
50	5.00	-	-	-	5.00 (1.60 - 5.60)	1.400 (0.480 - 1.660)	6.15	99
60	6.00	-	-	-	6.00 (1.60 - 6.60)	1.700 (0.480 - 2.250)	7.47	99
22+22	2.20	2.20	-	-	4.40 (2.00 - 5.40)	0.900 (0.540 - 1.450)	3.95	99
22+25	2.20	2.50	-	-	4.70 (2.00 - 5.70)	0.990 (0.540 - 1.600)	4.35	99
22+33	2.20	3.30	-	-	5.50 (2.00 - 6.30)	1.270 (0.540 - 1.900)	5.58	99
22+35	2.20	3.50	-	-	5.70 (2.00 - 6.40)	1.340 (0.540 - 1.960)	5.88	99
22+42	2.20	4.20	-	-	6.40 (2.00 - 6.80)	1.600 (0.540 - 2.160)	7.03	99
22+50	2.08	4.72	-	-	6.80 (2.00 - 7.10)	1.820 (0.550 - 2.330)	7.99	99
22+60	1.82	4.98	-	-	6.80 (2.00 - 7.10)	1.820 (0.560 - 2.320)	7.99	99
25+25	2.50	2.50	-	-	5.00 (2.00 - 6.00)	1.080 (0.540 - 1.750)	4.74	99
25+33	2.50	3.30	-	-	5.80 (2.00 - 6.50)	1.380 (0.540 - 1.990)	6.06	99
25+35	2.50	3.50	-	-	6.00 (2.00 - 6.60)	1.450 (0.540 - 2.050)	6.37	99
25+42	2.50	4.20	-	-	6.70 (2.00 - 6.90)	1.710 (0.540 - 2.250)	7.51	99
25+50	2.27	4.53	-	-	6.80 (2.00 - 7.10)	1.820 (0.550 - 2.330)	7.99	99
25+60	2.00	4.80	-	-	6.80 (2.00 - 7.10)	1.810 (0.560 - 2.320)	7.95	99
33+33	3.30	3.30	-	-	6.60 (2.00 - 6.90)	1.670 (0.540 - 2.220)	7.33	99
33+35	3.30	3.50	-	-	6.80 (2.00 - 7.00)	1.750 (0.540 - 2.280)	7.69	99
33+42	2.99	3.81	-	-	6.80 (2.00 - 7.10)	1.820 (0.540 - 2.340)	7.99	99
33+50	2.70	4.10	-	-	6.80 (2.00 - 7.10)	1.820 (0.550 - 2.330)	7.99	99
33+60	2.41	4.39	-	-	6.80 (2.00 - 7.10)	1.760 (0.560 - 2.330)	7.73	99
35+35	3.40	3.40	-	-	6.80 (2.00 - 7.10)	1.820 (0.540 - 2.340)	7.99	99
35+42	3.09	3.71	-	-	6.80 (2.00 - 7.10)	1.820 (0.540 - 2.340)	7.99	99
35+50	2.80	4.00	-	-	6.80 (2.00 - 7.10)	1.810 (0.550 - 2.330)	7.95	99
35+60	2.51	4.29	-	-	6.80 (2.00 - 7.10)	1.750 (0.560 - 2.330)	7.69	99
42+42	3.40	3.40	-	-	6.80 (2.00 - 7.10)	1.820 (0.540 - 2.340)	7.99	99
42+50	3.10	3.70	-	-	6.80 (2.00 - 7.10)	1.770 (0.550 - 2.340)	7.77	99
42+60	2.80	4.00	-	-	6.80 (2.10 - 7.10)	1.710 (0.560 - 2.350)	7.51	99
50+50	3.40	3.40	-	-	6.80 (2.10 - 7.10)	1.720 (0.560 - 2.360)	7.55	99
50+60	3.09	3.71	-	-	6.80 (2.10 - 7.10)	1.650 (0.570 - 2.360)	7.25	99
60+60	3.40	3.40	-	-	6.80 (2.10 - 7.10)	1.580 (0.580 - 2.410)	6.94	99
22+22+22	2.20	2.20	2.20	-	6.60 (2.90 - 8.10)	1.540 (0.670 - 2.390)	6.76	99
22+22+25	2.20	2.20	2.50	-	6.90 (2.90 - 8.20)	1.800 (0.670 - 2.420)	7.91	99
22+22+33	2.00	2.00	3.00	-	7.00 (2.90 - 8.50)	1.880 (0.670 - 2.500)	8.26	99
22+22+35	1.95	1.95	3.10	-	7.00 (2.90 - 8.50)	1.860 (0.670 - 2.500)	8.17	99
22+22+42	1.79	1.79	3.42	-	7.00 (2.90 - 8.50)	1.800 (0.670 - 2.480)	7.91	99
22+22+50	1.64	1.64	3.72	-	7.00 (2.90 - 8.50)	1.730 (0.670 - 2.460)	7.60	99

MXZ-4D71VA COOLING

Indoor units combination	Cooling capacity (kW)					Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Total			
22+22+60	1.48	1.48	4.04	-	7.00 (2.90 - 8.50)	1.640 (0.670 - 2.440)	7.20	99
22+25+25	2.14	2.43	2.43	-	7.00 (2.90 - 8.40)	1.890 (0.670 - 2.470)	8.30	99
22+25+33	1.93	2.19	2.89	-	7.00 (2.90 - 8.50)	1.860 (0.670 - 2.500)	8.17	99
22+25+35	1.88	2.13	2.99	-	7.00 (2.90 - 8.50)	1.840 (0.670 - 2.490)	8.08	99
22+25+42	1.73	1.97	3.30	-	7.00 (2.90 - 8.50)	1.780 (0.670 - 2.480)	7.82	99
22+25+50	1.59	1.80	3.61	-	7.00 (2.90 - 8.50)	1.710 (0.670 - 2.460)	7.51	99
22+25+60	1.44	1.64	3.93	-	7.00 (2.90 - 8.50)	1.630 (0.670 - 2.440)	7.16	99
22+33+33	1.75	2.63	2.63	-	7.00 (2.90 - 8.50)	1.800 (0.670 - 2.490)	7.91	99
22+33+35	1.71	2.57	2.72	-	7.00 (2.90 - 8.50)	1.790 (0.670 - 2.490)	7.86	99
22+33+42	1.59	2.38	3.03	-	7.00 (2.90 - 8.50)	1.720 (0.670 - 2.470)	7.55	99
22+33+50	1.47	2.20	3.33	-	7.00 (2.90 - 8.50)	1.660 (0.670 - 2.450)	7.29	99
22+33+60	1.34	2.01	3.65	-	7.00 (2.90 - 8.50)	1.630 (0.670 - 2.440)	7.16	99
22+35+35	1.67	2.66	2.66	-	7.00 (2.90 - 8.50)	1.780 (0.670 - 2.480)	7.82	99
22+35+42	1.56	2.47	2.97	-	7.00 (2.90 - 8.50)	1.710 (0.670 - 2.470)	7.51	99
22+35+50	1.44	2.29	3.27	-	7.00 (2.90 - 8.50)	1.660 (0.670 - 2.450)	7.29	99
22+35+60	1.32	2.09	3.59	-	7.00 (2.90 - 8.50)	1.630 (0.670 - 2.440)	7.16	99
22+42+42	1.45	2.77	2.77	-	7.00 (2.90 - 8.50)	1.650 (0.670 - 2.450)	7.25	99
22+42+50	1.35	2.58	3.07	-	7.00 (2.90 - 8.50)	1.640 (0.670 - 2.440)	7.20	99
22+42+60	1.24	2.37	3.39	-	7.00 (2.90 - 8.50)	1.610 (0.670 - 2.430)	7.07	99
22+50+50	1.26	2.87	2.87	-	7.00 (2.90 - 8.50)	1.630 (0.670 - 2.430)	7.16	99
25+25+25	2.33	2.33	2.33	-	7.00 (2.90 - 8.50)	1.890 (0.670 - 2.500)	8.30	99
25+25+33	2.11	2.11	2.78	-	7.00 (2.90 - 8.50)	1.840 (0.670 - 2.490)	8.08	99
25+25+35	2.06	2.06	2.88	-	7.00 (2.90 - 8.50)	1.820 (0.670 - 2.490)	7.99	99
25+25+42	1.90	1.90	3.20	-	7.00 (2.90 - 8.50)	1.760 (0.670 - 2.470)	7.73	99
25+25+50	1.75	1.75	3.50	-	7.00 (2.90 - 8.50)	1.690 (0.670 - 2.460)	7.42	99
25+25+60	1.59	1.59	3.82	-	7.00 (2.90 - 8.50)	1.630 (0.670 - 2.440)	7.16	99
25+33+33	1.92	2.54	2.54	-	7.00 (2.90 - 8.50)	1.790 (0.670 - 2.490)	7.86	99
25+33+35	1.88	2.48	2.63	-	7.00 (2.90 - 8.50)	1.780 (0.670 - 2.480)	7.82	99
25+33+42	1.75	2.31	2.94	-	7.00 (2.90 - 8.50)	1.700 (0.670 - 2.470)	7.47	99
25+33+50	1.62	2.14	3.24	-	7.00 (2.90 - 8.50)	1.660 (0.670 - 2.450)	7.29	99
25+33+60	1.48	1.96	3.56	-	7.00 (2.90 - 8.50)	1.630 (0.670 - 2.440)	7.16	99
25+35+35	1.84	2.58	2.58	-	7.00 (2.90 - 8.50)	1.760 (0.670 - 2.480)	7.73	99
25+35+42	1.72	2.40	2.88	-	7.00 (2.90 - 8.50)	1.690 (0.670 - 2.460)	7.42	99
25+35+50	1.59	2.23	3.18	-	7.00 (2.90 - 8.50)	1.660 (0.670 - 2.450)	7.29	99
25+35+60	1.46	2.04	3.50	-	7.00 (2.90 - 8.50)	1.630 (0.670 - 2.440)	7.16	99
25+42+42	1.61	2.70	2.70	-	7.00 (2.90 - 8.50)	1.650 (0.670 - 2.450)	7.25	99
25+42+50	1.50	2.51	2.99	-	7.00 (2.90 - 8.50)	1.640 (0.670 - 2.440)	7.20	99
25+50+50	1.40	2.80	2.80	-	7.00 (2.90 - 8.50)	1.630 (0.670 - 2.430)	7.16	99
33+33+33	2.33	2.33	2.33	-	7.00 (2.90 - 8.50)	1.730 (0.670 - 2.480)	7.60	99
33+33+35	2.29	2.29	2.43	-	7.00 (2.90 - 8.50)	1.720 (0.670 - 2.480)	7.55	99
33+33+42	2.14	2.14	2.72	-	7.00 (2.90 - 8.50)	1.670 (0.670 - 2.460)	7.33	99

MXZ-4D71VA COOLING

Indoor units combination	Cooling capacity (kW)					Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Total			
33+33+50	1.99	1.99	3.02	-	7.00 (2.90 - 8.50)	1.660 (0.670 - 2.450)	7.29	99
33+35+35	2.24	2.38	2.38	-	7.00 (2.90 - 8.50)	1.700 (0.670 - 2.470)	7.47	99
33+35+42	2.10	2.23	2.67	-	7.00 (2.90 - 8.50)	1.670 (0.670 - 2.460)	7.33	99
33+35+50	1.96	2.08	2.97	-	7.00 (2.90 - 8.50)	1.660 (0.670 - 2.450)	7.29	99
33+42+42	1.97	2.51	2.51	-	7.00 (2.90 - 8.50)	1.650 (0.670 - 2.450)	7.25	99
35+35+35	2.33	2.33	2.33	-	7.00 (2.90 - 8.50)	1.690 (0.670 - 2.470)	7.42	99
35+35+42	2.19	2.19	2.63	-	7.00 (2.90 - 8.50)	1.670 (0.670 - 2.460)	7.33	99
35+35+50	2.04	2.04	2.92	-	7.00 (2.90 - 8.50)	1.660 (0.670 - 2.450)	7.29	99
35+42+42	2.06	2.47	2.47	-	7.00 (2.90 - 8.50)	1.650 (0.670 - 2.450)	7.25	99
22+22+22+22	1.75	1.75	1.75	1.75	7.00 (3.70 - 8.80)	1.767 (0.800 - 2.480)	7.76	99
22+22+22+25	1.69	1.69	1.69	1.92	7.00 (3.70 - 8.80)	1.767 (0.800 - 2.480)	7.76	99
22+22+22+33	1.56	1.56	1.56	2.33	7.00 (3.70 - 8.80)	1.767 (0.800 - 2.480)	7.76	99
22+22+22+35	1.55	1.55	1.55	2.46	7.10 (3.70 - 8.80)	1.792 (0.800 - 2.480)	7.87	99
22+22+22+42	1.45	1.45	1.45	2.76	7.10 (3.70 - 8.80)	1.772 (0.800 - 2.470)	7.78	99
22+22+22+50	1.35	1.35	1.35	3.06	7.10 (3.70 - 8.80)	1.762 (0.800 - 2.460)	7.74	99
22+22+25+25	1.64	1.64	1.86	1.86	7.00 (3.70 - 8.80)	1.767 (0.800 - 2.480)	7.76	99
22+22+25+33	1.53	1.53	1.74	2.30	7.10 (3.70 - 8.80)	1.792 (0.800 - 2.480)	7.87	99
22+22+25+35	1.50	1.50	1.71	2.39	7.10 (3.70 - 8.80)	1.792 (0.800 - 2.480)	7.87	99
22+22+25+42	1.41	1.41	1.60	2.69	7.10 (3.70 - 8.80)	1.772 (0.800 - 2.470)	7.78	99
22+22+25+50	1.31	1.31	1.49	2.98	7.10 (3.70 - 8.80)	1.762 (0.800 - 2.460)	7.74	99
22+22+33+33	1.42	1.42	2.13	2.13	7.10 (3.70 - 8.80)	1.792 (0.800 - 2.480)	7.87	99
22+22+33+35	1.39	1.39	2.09	2.22	7.10 (3.70 - 8.80)	1.792 (0.800 - 2.480)	7.87	99
22+22+33+42	1.31	1.31	1.97	2.51	7.10 (3.70 - 8.80)	1.772 (0.800 - 2.470)	7.78	99
22+22+35+35	1.37	1.37	2.18	2.18	7.10 (3.70 - 8.80)	1.792 (0.800 - 2.480)	7.87	99
22+22+35+42	1.29	1.29	2.05	2.46	7.10 (3.70 - 8.80)	1.772 (0.800 - 2.470)	7.78	99
22+25+25+25	1.59	1.80	1.80	1.80	7.00 (3.70 - 8.80)	1.767 (0.800 - 2.480)	7.76	99
22+25+25+33	1.49	1.69	1.69	2.23	7.10 (3.70 - 8.80)	1.792 (0.800 - 2.480)	7.87	99
22+25+25+35	1.46	1.66	1.66	2.32	7.10 (3.70 - 8.80)	1.792 (0.800 - 2.480)	7.87	99
22+25+25+42	1.37	1.56	1.56	2.62	7.10 (3.70 - 8.80)	1.772 (0.800 - 2.470)	7.78	99
22+25+25+50	1.28	1.45	1.45	2.91	7.10 (3.70 - 8.80)	1.762 (0.800 - 2.460)	7.74	99
22+25+33+33	1.38	1.57	2.07	2.07	7.10 (3.70 - 8.80)	1.792 (0.800 - 2.480)	7.87	99
22+25+33+35	1.36	1.54	2.04	2.16	7.10 (3.70 - 8.80)	1.792 (0.800 - 2.480)	7.87	99
22+25+33+42	1.28	1.45	1.92	2.44	7.10 (3.70 - 8.80)	1.772 (0.800 - 2.470)	7.78	99
22+25+35+35	1.34	1.52	2.12	2.12	7.10 (3.70 - 8.80)	1.792 (0.800 - 2.480)	7.87	99
22+25+35+42	1.26	1.43	2.00	2.40	7.10 (3.70 - 8.80)	1.772 (0.800 - 2.470)	7.78	99
25+25+25+25	1.78	1.78	1.78	1.78	7.10 (3.70 - 8.80)	1.792 (0.800 - 2.480)	7.87	99
25+25+25+33	1.64	1.64	1.64	2.17	7.10 (3.70 - 8.80)	1.792 (0.800 - 2.480)	7.87	99
25+25+25+35	1.61	1.61	1.61	2.26	7.10 (3.70 - 8.80)	1.792 (0.800 - 2.480)	7.87	99
25+25+25+42	1.52	1.52	1.52	2.55	7.10 (3.70 - 8.80)	1.772 (0.800 - 2.470)	7.78	99
25+25+25+50	1.42	1.42	1.42	2.84	7.10 (3.70 - 8.80)	1.762 (0.800 - 2.460)	7.74	99
25+25+33+33	1.53	1.53	2.02	2.02	7.10 (3.70 - 8.80)	1.792 (0.800 - 2.480)	7.87	99
25+25+33+35	1.50	1.50	1.99	2.11	7.10 (3.70 - 8.80)	1.792 (0.800 - 2.480)	7.87	99
25+25+35+35	1.48	1.48	2.07	2.07	7.10 (3.70 - 8.80)	1.792 (0.800 - 2.480)	7.87	99

MXZ-4D71VA HEATING

Indoor units combination	Heating capacity (kW)					Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Total			
22	3.30	-	-	-	3.30 (1.20 - 4.20)	0.760 (0.380 - 1.090)	3.34	99
25	3.60	-	-	-	3.60 (1.20 - 4.50)	0.860 (0.380 - 1.190)	3.78	99
33	4.00	-	-	-	4.00 (1.20 - 4.80)	1.000 (0.380 - 1.300)	4.39	99
35	4.00	-	-	-	4.00 (1.20 - 4.80)	1.000 (0.380 - 1.300)	4.39	99
42	5.40	-	-	-	5.40 (1.30 - 6.50)	1.460 (0.370 - 1.800)	6.41	99
50	7.20	-	-	-	7.20 (1.40 - 8.20)	1.880 (0.370 - 2.300)	8.26	99
60	7.90	-	-	-	7.90 (1.40 - 8.60)	2.120 (0.360 - 2.410)	9.31	99
22+22	3.30	3.30	-	-	6.60 (1.80 - 7.20)	1.470 (0.410 - 1.710)	6.46	99
22+25	3.23	3.67	-	-	6.90 (1.80 - 8.10)	1.580 (0.410 - 1.940)	6.94	99
22+33	2.96	4.44	-	-	7.40 (1.80 - 9.00)	1.770 (0.410 - 2.170)	7.77	99
22+35	2.86	4.54	-	-	7.40 (1.80 - 9.00)	1.800 (0.410 - 2.170)	7.91	99
22+42	2.61	4.99	-	-	7.60 (1.80 - 9.00)	1.910 (0.410 - 2.170)	8.39	99
22+50	2.38	5.42	-	-	7.80 (1.80 - 9.00)	2.010 (0.410 - 2.160)	8.83	99
22+60	2.09	5.71	-	-	7.80 (1.80 - 9.00)	2.080 (0.410 - 2.120)	9.13	99
25+25	3.60	3.60	-	-	7.20 (1.80 - 9.00)	1.680 (0.410 - 2.170)	7.38	99
25+33	3.19	4.21	-	-	7.40 (1.80 - 9.00)	1.820 (0.410 - 2.170)	7.99	99
25+35	3.13	4.38	-	-	7.50 (1.80 - 9.00)	1.860 (0.410 - 2.170)	8.17	99
25+42	2.87	4.83	-	-	7.70 (1.80 - 9.00)	1.960 (0.410 - 2.170)	8.61	99
25+50	2.60	5.20	-	-	7.80 (1.80 - 9.00)	2.020 (0.410 - 2.150)	8.87	99
25+60	2.29	5.51	-	-	7.80 (1.80 - 9.00)	2.070 (0.400 - 2.110)	9.09	99
33+33	3.85	3.85	-	-	7.70 (1.80 - 9.00)	1.960 (0.410 - 2.170)	8.61	99
33+35	3.74	3.96	-	-	7.70 (1.80 - 9.00)	2.000 (0.410 - 2.170)	8.78	99
33+42	3.43	4.37	-	-	7.80 (1.80 - 9.00)	2.030 (0.410 - 2.150)	8.92	99
33+50	3.10	4.70	-	-	7.80 (1.80 - 9.00)	2.060 (0.410 - 2.110)	9.05	99
33+60	2.77	5.03	-	-	7.80 (1.80 - 9.00)	1.940 (0.380 - 2.070)	8.52	99
35+35	3.90	3.90	-	-	7.80 (1.80 - 9.00)	2.030 (0.410 - 2.170)	8.92	99
35+42	3.55	4.25	-	-	7.80 (1.80 - 9.00)	2.040 (0.410 - 2.140)	8.96	99
35+50	3.21	4.59	-	-	7.80 (1.80 - 9.00)	2.040 (0.400 - 2.110)	8.96	99
35+60	2.87	4.93	-	-	7.80 (1.80 - 9.00)	1.900 (0.370 - 2.060)	8.34	99
42+42	3.90	3.90	-	-	7.80 (1.80 - 9.00)	2.050 (0.400 - 2.110)	9.00	99
42+50	3.56	4.24	-	-	7.80 (1.80 - 9.00)	1.910 (0.380 - 2.080)	8.39	99
42+60	3.21	4.59	-	-	7.80 (1.90 - 9.00)	1.780 (0.360 - 2.030)	7.82	99
50+50	3.90	3.90	-	-	7.80 (1.90 - 9.00)	1.760 (0.360 - 2.040)	7.73	99
50+60	3.55	4.25	-	-	7.80 (1.90 - 9.00)	1.780 (0.360 - 1.970)	7.82	99
60+60	3.90	3.90	-	-	7.80 (1.90 - 9.00)	1.800 (0.360 - 1.900)	7.91	99
22+22+22	2.63	2.63	2.63	-	7.90 (2.60 - 10.60)	1.880 (0.500 - 3.100)	8.26	99
22+22+25	2.52	2.52	2.86	-	7.90 (2.60 - 10.60)	1.880 (0.500 - 3.100)	8.26	99
22+22+33	2.26	2.26	3.39	-	7.90 (2.60 - 10.60)	1.880 (0.500 - 3.100)	8.26	99
22+22+35	2.20	2.20	3.50	-	7.90 (2.60 - 10.60)	1.880 (0.500 - 3.100)	8.26	99
22+22+42	2.02	2.02	3.86	-	7.90 (2.60 - 10.60)	1.860 (0.500 - 3.060)	8.17	99
22+22+50	1.85	1.85	4.20	-	7.90 (2.60 - 10.60)	1.850 (0.500 - 3.030)	8.12	99

MXZ-4D71VA HEATING

Indoor units combination	Heating capacity (kW)					Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Total			
22+22+60	1.67	1.67	4.56	-	7.90 (2.60 - 10.60)	1.880 (0.500 - 3.030)	8.26	99
22+25+25	2.41	2.74	2.74	-	7.90 (2.60 - 10.60)	1.880 (0.500 - 3.100)	8.26	99
22+25+33	2.17	2.47	3.26	-	7.90 (2.60 - 10.60)	1.880 (0.500 - 3.100)	8.26	99
22+25+35	2.12	2.41	3.37	-	7.90 (2.60 - 10.60)	1.880 (0.500 - 3.100)	8.26	99
22+25+42	1.95	2.22	3.73	-	7.90 (2.60 - 10.60)	1.860 (0.500 - 3.060)	8.17	99
22+25+50	1.79	2.04	4.07	-	7.90 (2.60 - 10.60)	1.850 (0.500 - 3.030)	8.12	99
22+25+60	1.62	1.85	4.43	-	7.90 (2.60 - 10.60)	1.880 (0.500 - 3.030)	8.26	99
22+33+33	1.98	2.96	2.96	-	7.90 (2.60 - 10.60)	1.880 (0.500 - 3.100)	8.26	99
22+33+35	1.93	2.90	3.07	-	7.90 (2.60 - 10.60)	1.880 (0.500 - 3.100)	8.26	99
22+33+42	1.79	2.69	3.42	-	7.90 (2.60 - 10.60)	1.860 (0.500 - 3.060)	8.17	99
22+33+50	1.66	2.48	3.76	-	7.90 (2.60 - 10.60)	1.850 (0.500 - 3.030)	8.12	99
22+33+60	1.51	2.27	4.12	-	7.90 (2.60 - 10.60)	1.880 (0.500 - 3.030)	8.26	99
22+35+35	1.89	3.01	3.01	-	7.90 (2.60 - 10.60)	1.880 (0.500 - 3.100)	8.26	99
22+35+42	1.76	2.79	3.35	-	7.90 (2.60 - 10.60)	1.860 (0.500 - 3.060)	8.17	99
22+35+50	1.62	2.58	3.69	-	7.90 (2.60 - 10.60)	1.850 (0.500 - 3.030)	8.12	99
22+35+60	1.49	2.36	4.05	-	7.90 (2.60 - 10.60)	1.880 (0.500 - 3.030)	8.26	99
22+42+42	1.64	3.13	3.13	-	7.90 (2.60 - 10.60)	1.840 (0.500 - 3.020)	8.08	99
22+42+50	1.52	2.91	3.46	-	7.90 (2.60 - 10.60)	1.830 (0.500 - 2.990)	8.04	99
22+42+60	1.40	2.68	3.82	-	7.90 (2.60 - 10.60)	1.860 (0.500 - 2.990)	8.17	99
22+50+50	1.42	3.24	3.24	-	7.90 (2.60 - 10.60)	1.820 (0.500 - 2.960)	7.99	99
25+25+25	2.63	2.63	2.63	-	7.90 (2.60 - 10.60)	1.880 (0.500 - 3.100)	8.26	99
25+25+33	2.38	2.38	3.14	-	7.90 (2.60 - 10.60)	1.880 (0.500 - 3.100)	8.26	99
25+25+35	2.32	2.32	3.25	-	7.90 (2.60 - 10.60)	1.880 (0.500 - 3.100)	8.26	99
25+25+42	2.15	2.15	3.61	-	7.90 (2.60 - 10.60)	1.860 (0.500 - 3.060)	8.17	99
25+25+50	1.98	1.98	3.95	-	7.90 (2.60 - 10.60)	1.850 (0.500 - 3.030)	8.12	99
25+25+60	1.80	1.80	4.31	-	7.90 (2.60 - 10.60)	1.880 (0.500 - 3.030)	8.26	99
25+33+33	2.17	2.86	2.86	-	7.90 (2.60 - 10.60)	1.880 (0.500 - 3.100)	8.26	99
25+33+35	2.12	2.80	2.97	-	7.90 (2.60 - 10.60)	1.880 (0.500 - 3.100)	8.26	99
25+33+42	1.98	2.61	3.32	-	7.90 (2.60 - 10.60)	1.860 (0.500 - 3.060)	8.17	99
25+33+50	1.83	2.41	3.66	-	7.90 (2.60 - 10.60)	1.850 (0.500 - 3.030)	8.12	99
25+33+60	1.67	2.21	4.02	-	7.90 (2.60 - 10.60)	1.880 (0.500 - 3.030)	8.26	99
25+35+35	2.08	2.91	2.91	-	7.90 (2.60 - 10.60)	1.880 (0.500 - 3.100)	8.26	99
25+35+42	1.94	2.71	3.25	-	7.90 (2.60 - 10.60)	1.860 (0.500 - 3.060)	8.17	99
25+35+50	1.80	2.51	3.59	-	7.90 (2.60 - 10.60)	1.850 (0.500 - 3.030)	8.12	99
25+35+60	1.65	2.30	3.95	-	7.90 (2.60 - 10.60)	1.880 (0.500 - 3.030)	8.26	99
25+42+42	1.81	3.04	3.04	-	7.90 (2.60 - 10.60)	1.840 (0.500 - 3.020)	8.08	99
25+42+50	1.69	2.84	3.38	-	7.90 (2.60 - 10.60)	1.830 (0.500 - 2.990)	8.04	99
25+50+50	1.58	3.16	3.16	-	7.90 (2.60 - 10.60)	1.820 (0.500 - 2.960)	7.99	99
33+33+33	2.63	2.63	2.63	-	7.90 (2.60 - 10.60)	1.880 (0.500 - 3.100)	8.26	99
33+33+35	2.58	2.58	2.74	-	7.90 (2.60 - 10.60)	1.880 (0.500 - 3.100)	8.26	99
33+33+42	2.41	2.41	3.07	-	7.90 (2.60 - 10.60)	1.860 (0.500 - 3.060)	8.17	99

MXZ-4D71VA HEATING

Indoor units combination	Heating capacity (kW)					Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Total			
33+33+50	2.25	2.25	3.41	-	7.90 (2.60 - 10.60)	1.850 (0.500 - 3.030)	8.12	99
33+35+35	2.53	2.68	2.68	-	7.90 (2.60 - 10.60)	1.880 (0.500 - 3.100)	8.26	99
33+35+42	2.37	2.51	3.02	-	7.90 (2.60 - 10.60)	1.860 (0.500 - 3.060)	8.17	99
33+35+50	2.21	2.34	3.35	-	7.90 (2.60 - 10.60)	1.850 (0.500 - 3.030)	8.12	99
33+42+42	2.23	2.84	2.84	-	7.90 (2.60 - 10.60)	1.840 (0.500 - 3.020)	8.08	99
35+35+35	2.63	2.63	2.63	-	7.90 (2.60 - 10.60)	1.880 (0.500 - 3.100)	8.26	99
35+35+42	2.47	2.47	2.96	-	7.90 (2.60 - 10.60)	1.860 (0.500 - 3.060)	8.17	99
35+35+50	2.30	2.30	3.29	-	7.90 (2.60 - 10.60)	1.850 (0.500 - 3.030)	8.12	99
35+42+42	2.32	2.79	2.79	-	7.90 (2.60 - 10.60)	1.840 (0.500 - 3.020)	8.08	99
22+22+22+22	2.00	2.00	2.00	2.00	8.00 (3.40 - 10.70)	1.748 (0.600 - 2.970)	7.68	99
22+22+22+25	1.93	1.93	1.93	2.20	8.00 (3.40 - 10.70)	1.748 (0.600 - 2.970)	7.68	99
22+22+22+33	1.78	1.78	1.78	2.67	8.00 (3.40 - 10.70)	1.748 (0.600 - 2.970)	7.68	99
22+22+22+35	1.74	1.74	1.74	2.77	8.00 (3.40 - 10.70)	1.748 (0.600 - 2.970)	7.68	99
22+22+22+42	1.63	1.63	1.63	3.11	8.00 (3.40 - 10.70)	1.728 (0.570 - 2.930)	7.59	99
22+22+22+50	1.52	1.52	1.52	3.45	8.00 (3.40 - 10.70)	1.718 (0.560 - 2.940)	7.55	99
22+22+25+25	1.87	1.87	2.13	2.13	8.00 (3.40 - 10.70)	1.748 (0.600 - 2.970)	7.68	99
22+22+25+33	1.73	1.73	1.96	2.59	8.00 (3.40 - 10.70)	1.748 (0.600 - 2.970)	7.68	99
22+22+25+35	1.69	1.69	1.92	2.69	8.00 (3.40 - 10.70)	1.748 (0.600 - 2.970)	7.68	99
22+22+25+42	1.59	1.59	1.80	3.03	8.00 (3.40 - 10.70)	1.728 (0.570 - 2.930)	7.59	99
22+22+25+50	1.48	1.48	1.68	3.36	8.00 (3.40 - 10.70)	1.718 (0.560 - 2.940)	7.55	99
22+22+33+33	1.60	1.60	2.40	2.40	8.00 (3.40 - 10.70)	1.748 (0.600 - 2.970)	7.68	99
22+22+33+35	1.57	1.57	2.36	2.50	8.00 (3.40 - 10.70)	1.748 (0.600 - 2.970)	7.68	99
22+22+33+42	1.48	1.48	2.22	2.82	8.00 (3.40 - 10.70)	1.728 (0.570 - 2.930)	7.59	99
22+22+35+35	1.54	1.54	2.46	2.46	8.00 (3.40 - 10.70)	1.748 (0.600 - 2.970)	7.68	99
22+22+35+42	1.45	1.45	2.31	2.78	8.00 (3.40 - 10.70)	1.728 (0.570 - 2.930)	7.59	99
22+25+25+25	1.81	2.06	2.06	2.06	8.00 (3.40 - 10.70)	1.748 (0.600 - 2.970)	7.68	99
22+25+25+33	1.68	1.90	1.90	2.51	8.00 (3.40 - 10.70)	1.748 (0.600 - 2.970)	7.68	99
22+25+25+35	1.64	1.87	1.87	2.62	8.00 (3.40 - 10.70)	1.748 (0.600 - 2.970)	7.68	99
22+25+25+42	1.54	1.75	1.75	2.95	8.00 (3.40 - 10.70)	1.728 (0.570 - 2.930)	7.59	99
22+25+25+50	1.44	1.64	1.64	3.28	8.00 (3.40 - 10.70)	1.718 (0.560 - 2.940)	7.55	99
22+25+33+33	1.56	1.77	2.34	2.34	8.00 (3.40 - 10.70)	1.748 (0.600 - 2.970)	7.68	99
22+25+33+35	1.53	1.74	2.30	2.43	8.00 (3.40 - 10.70)	1.748 (0.600 - 2.970)	7.68	99
22+25+33+42	1.44	1.64	2.16	2.75	8.00 (3.40 - 10.70)	1.728 (0.570 - 2.930)	7.59	99
22+25+35+35	1.50	1.71	2.39	2.39	8.00 (3.40 - 10.70)	1.748 (0.600 - 2.970)	7.68	99
22+25+35+42	1.42	1.61	2.26	2.71	8.00 (3.40 - 10.70)	1.728 (0.570 - 2.930)	7.59	99
25+25+25+25	2.00	2.00	2.00	2.00	8.00 (3.40 - 10.70)	1.748 (0.600 - 2.970)	7.68	99
25+25+25+33	1.85	1.85	1.85	2.44	8.00 (3.40 - 10.70)	1.748 (0.600 - 2.970)	7.68	99
25+25+25+35	1.82	1.82	1.82	2.55	8.00 (3.40 - 10.70)	1.748 (0.600 - 2.970)	7.68	99
25+25+25+42	1.71	1.71	1.71	2.87	8.00 (3.40 - 10.70)	1.728 (0.570 - 2.930)	7.59	99
25+25+25+50	1.60	1.60	1.60	3.20	8.00 (3.40 - 10.70)	1.718 (0.560 - 2.940)	7.55	99
25+25+33+33	1.72	1.72	2.28	2.28	8.00 (3.40 - 10.70)	1.748 (0.600 - 2.970)	7.68	99
25+25+33+35	1.69	1.69	2.24	2.37	8.00 (3.40 - 10.70)	1.748 (0.600 - 2.970)	7.68	99
25+25+35+35	1.67	1.67	2.33	2.33	8.00 (3.40 - 10.70)	1.748 (0.600 - 2.970)	7.68	99

MXZ-4D80VA COOLING

Indoor units combination	Cooling capacity (kW)					Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Total			
22	2.20	-	-	-	2.20 (1.40 - 3.00)	0.670 (0.400 - 0.920)	2.94	99
25	2.50	-	-	-	2.50 (1.40 - 3.30)	0.760 (0.400 - 1.010)	3.34	99
33	3.30	-	-	-	3.30 (1.50 - 4.30)	0.980 (0.400 - 1.290)	4.30	99
35	3.50	-	-	-	3.50 (1.50 - 4.30)	1.030 (0.400 - 1.290)	4.52	99
42	4.20	-	-	-	4.20 (1.60 - 5.00)	1.230 (0.410 - 1.460)	5.40	99
50	5.00	-	-	-	5.00 (1.60 - 5.60)	1.440 (0.420 - 1.630)	6.32	99
60	6.00	-	-	-	6.00 (1.60 - 6.60)	1.930 (0.400 - 2.130)	8.48	99
71	7.10	-	-	-	7.10 (1.70 - 7.40)	2.550 (0.410 - 2.710)	11.20	99
22+22	2.20	2.20	-	-	4.40 (2.00 - 5.60)	1.130 (0.600 - 1.600)	4.96	99
22+25	2.20	2.50	-	-	4.70 (2.00 - 5.90)	1.250 (0.600 - 1.780)	5.49	99
22+33	2.20	3.30	-	-	5.50 (2.00 - 6.70)	1.590 (0.580 - 2.280)	6.98	99
22+35	2.20	3.50	-	-	5.70 (2.00 - 6.80)	1.680 (0.580 - 2.340)	7.38	99
22+42	2.20	4.20	-	-	6.40 (2.00 - 7.10)	1.950 (0.580 - 2.530)	8.56	99
22+50	2.20	5.00	-	-	7.20 (2.00 - 7.40)	2.370 (0.580 - 2.620)	10.41	99
22+60	2.09	5.71	-	-	7.80 (2.00 - 8.20)	2.770 (0.580 - 2.860)	12.17	99
22+71	1.87	6.03	-	-	7.90 (2.00 - 8.80)	2.730 (0.590 - 3.150)	11.99	99
25+25	2.50	2.50	-	-	5.00 (2.00 - 6.20)	1.360 (0.580 - 1.950)	5.97	99
25+33	2.50	3.30	-	-	5.80 (2.00 - 6.90)	1.720 (0.580 - 2.410)	7.55	99
25+35	2.50	3.50	-	-	6.00 (2.00 - 7.10)	1.810 (0.580 - 2.540)	7.95	99
25+42	2.50	4.20	-	-	6.70 (2.00 - 7.10)	2.100 (0.580 - 2.540)	9.22	99
25+50	2.50	5.00	-	-	7.50 (2.00 - 7.80)	2.570 (0.580 - 2.750)	11.29	99
25+60	2.29	5.51	-	-	7.80 (2.00 - 8.20)	2.770 (0.590 - 2.860)	12.17	99
25+71	2.06	5.84	-	-	7.90 (2.00 - 8.80)	2.730 (0.590 - 3.150)	11.99	99
33+33	3.30	3.30	-	-	6.60 (2.00 - 7.10)	2.100 (0.580 - 2.550)	9.22	99
33+35	3.30	3.50	-	-	6.80 (2.00 - 7.10)	2.190 (0.580 - 2.550)	9.62	99
33+42	3.30	4.20	-	-	7.50 (2.00 - 7.80)	2.570 (0.580 - 2.760)	11.29	99
33+50	3.10	4.70	-	-	7.80 (2.00 - 8.20)	2.770 (0.580 - 2.870)	12.17	99
33+60	2.80	5.10	-	-	7.90 (2.00 - 8.80)	2.730 (0.590 - 3.160)	11.99	99
33+71	2.51	5.39	-	-	7.90 (2.10 - 8.80)	2.730 (0.580 - 3.130)	11.99	99
35+35	3.50	3.50	-	-	7.00 (2.00 - 7.10)	2.290 (0.580 - 2.550)	10.06	99
35+42	3.50	4.20	-	-	7.70 (2.00 - 8.10)	2.700 (0.580 - 2.850)	11.86	99
35+50	3.21	4.59	-	-	7.80 (2.00 - 8.20)	2.770 (0.590 - 2.870)	12.17	99
35+60	2.91	4.99	-	-	7.90 (2.00 - 8.80)	2.730 (0.590 - 3.160)	11.99	99
35+71	2.61	5.29	-	-	7.90 (2.10 - 8.80)	2.730 (0.580 - 3.120)	11.99	99
42+42	3.90	3.90	-	-	7.80 (2.00 - 8.20)	2.820 (0.590 - 2.890)	12.38	99
42+50	3.61	4.29	-	-	7.90 (2.00 - 8.80)	2.680 (0.590 - 3.160)	11.77	99
42+60	3.25	4.65	-	-	7.90 (2.10 - 8.80)	2.680 (0.590 - 3.140)	11.77	99
42+71	2.97	5.03	-	-	8.00 (2.10 - 8.80)	2.470 (0.560 - 3.070)	10.85	99
50+50	3.95	3.95	-	-	7.90 (2.10 - 8.80)	2.780 (0.590 - 3.190)	12.21	99
50+60	3.64	4.36	-	-	8.00 (2.10 - 8.80)	2.470 (0.570 - 3.090)	10.85	99
50+71	3.31	4.69	-	-	8.00 (2.10 - 8.80)	2.470 (0.550 - 3.020)	10.85	99

MXZ-4D80VA COOLING

Indoor units combination	Cooling capacity (kW)					Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Total			
60+60	4.00	4.00	-	-	8.00 (2.10 - 8.80)	2.470 (0.550 - 3.020)	10.85	99
60+71	3.66	4.34	-	-	8.00 (2.10 - 8.80)	2.470 (0.550 - 3.010)	10.85	99
22+22+22	2.20	2.20	2.20	-	6.60 (2.90 - 8.10)	1.740 (0.690 - 2.410)	7.64	99
22+22+25	2.20	2.20	2.50	-	6.90 (2.90 - 8.40)	1.870 (0.690 - 2.610)	8.21	99
22+22+33	2.17	2.17	3.26	-	7.60 (2.90 - 9.00)	2.170 (0.690 - 3.000)	9.53	99
22+22+35	2.14	2.14	3.41	-	7.70 (2.90 - 9.00)	2.200 (0.690 - 3.000)	9.66	99
22+22+42	2.00	2.00	3.81	-	7.80 (2.90 - 9.00)	2.210 (0.700 - 2.970)	9.71	99
22+22+50	1.83	1.83	4.15	-	7.80 (2.90 - 9.00)	2.200 (0.710 - 2.950)	9.66	99
22+22+60	1.67	1.67	4.56	-	7.90 (2.90 - 9.00)	2.200 (0.720 - 2.910)	9.66	99
22+22+71	1.53	1.53	4.94	-	8.00 (2.90 - 9.00)	2.200 (0.720 - 3.030)	9.66	99
22+25+25	2.20	2.50	2.50	-	7.20 (2.90 - 8.70)	2.010 (0.690 - 2.810)	8.83	99
22+25+33	2.12	2.41	3.18	-	7.70 (2.90 - 9.00)	2.200 (0.700 - 2.990)	9.66	99
22+25+35	2.07	2.35	3.29	-	7.70 (2.90 - 9.00)	2.200 (0.700 - 2.990)	9.66	99
22+25+42	1.93	2.19	3.68	-	7.80 (2.90 - 9.00)	2.210 (0.700 - 2.960)	9.71	99
22+25+50	1.79	2.04	4.07	-	7.90 (2.90 - 9.00)	2.230 (0.710 - 2.940)	9.79	99
22+25+60	1.64	1.87	4.49	-	8.00 (2.90 - 9.00)	2.220 (0.720 - 3.030)	9.75	99
22+25+71	1.49	1.69	4.81	-	8.00 (2.90 - 9.00)	2.200 (0.720 - 3.030)	9.66	99
22+33+33	1.95	2.93	2.93	-	7.80 (2.90 - 9.00)	2.230 (0.700 - 2.970)	9.79	99
22+33+35	1.91	2.86	3.03	-	7.80 (2.90 - 9.00)	2.230 (0.710 - 2.960)	9.79	99
22+33+42	1.79	2.69	3.42	-	7.90 (2.90 - 9.00)	2.240 (0.710 - 2.940)	9.84	99
22+33+50	1.67	2.50	3.79	-	7.95 (2.90 - 9.00)	2.250 (0.720 - 2.910)	9.88	99
22+33+60	1.53	2.30	4.17	-	8.00 (2.90 - 9.00)	2.220 (0.720 - 3.030)	9.75	99
22+33+71	1.40	2.10	4.51	-	8.00 (2.90 - 9.00)	2.200 (0.720 - 3.030)	9.66	99
22+35+35	1.87	2.97	2.97	-	7.80 (2.90 - 9.00)	2.230 (0.710 - 2.950)	9.79	99
22+35+42	1.76	2.79	3.35	-	7.90 (2.90 - 9.00)	2.240 (0.710 - 2.930)	9.84	99
22+35+50	1.64	2.62	3.74	-	8.00 (2.90 - 9.00)	2.250 (0.720 - 3.030)	9.88	99
22+35+60	1.50	2.39	4.10	-	8.00 (2.90 - 9.00)	2.220 (0.720 - 3.030)	9.75	99
22+35+71	1.38	2.19	4.44	-	8.00 (2.90 - 9.00)	2.200 (0.720 - 3.030)	9.66	99
22+42+42	1.66	3.17	3.17	-	8.00 (2.90 - 9.00)	2.240 (0.720 - 3.030)	9.84	99
22+42+50	1.54	2.95	3.51	-	8.00 (2.90 - 9.00)	2.230 (0.720 - 3.030)	9.79	99
22+42+60	1.42	2.71	3.87	-	8.00 (2.90 - 9.00)	2.200 (0.720 - 3.030)	9.66	99
22+42+71	1.30	2.49	4.21	-	8.00 (2.90 - 9.00)	2.180 (0.720 - 3.030)	9.57	99
22+50+50	1.44	3.28	3.28	-	8.00 (2.90 - 9.00)	2.220 (0.720 - 3.030)	9.75	99
22+50+60	1.33	3.03	3.64	-	8.00 (2.90 - 9.00)	2.190 (0.720 - 3.030)	9.62	99
22+50+71	1.23	2.80	3.97	-	8.00 (2.90 - 9.00)	2.170 (0.720 - 3.030)	9.53	99
25+25+25	2.50	2.50	2.50	-	7.50 (2.90 - 9.00)	2.140 (0.690 - 3.010)	9.40	99
25+25+33	2.32	2.32	3.06	-	7.70 (2.90 - 9.00)	2.200 (0.700 - 2.980)	9.66	99
25+25+35	2.29	2.29	3.21	-	7.80 (2.90 - 9.00)	2.230 (0.700 - 2.980)	9.79	99
25+25+42	2.12	2.12	3.56	-	7.80 (2.90 - 9.00)	2.210 (0.710 - 2.950)	9.71	99
25+25+50	1.98	1.98	3.95	-	7.90 (2.90 - 9.00)	2.230 (0.720 - 2.930)	9.79	99
25+25+60	1.82	1.82	4.36	-	8.00 (2.90 - 9.00)	2.220 (0.720 - 3.030)	9.75	99

MXZ-4D80VA COOLING

Indoor units combination	Cooling capacity (kW)					Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Total			
25+25+71	1.65	1.65	4.69	-	8.00 (2.90 - 9.00)	2.200 (0.720 - 3.030)	9.66	99
25+33+33	2.14	2.83	2.83	-	7.80 (2.90 - 9.00)	2.230 (0.710 - 2.960)	9.79	99
25+33+35	2.10	2.77	2.94	-	7.80 (2.90 - 9.00)	2.230 (0.710 - 2.950)	9.79	99
25+33+42	1.98	2.61	3.32	-	7.90 (2.90 - 9.00)	2.260 (0.720 - 2.930)	9.93	99
25+33+50	1.85	2.44	3.70	-	8.00 (2.90 - 9.00)	2.250 (0.720 - 3.030)	9.88	99
25+33+60	1.69	2.24	4.07	-	8.00 (2.90 - 9.00)	2.220 (0.720 - 3.030)	9.75	99
25+33+71	1.55	2.05	4.40	-	8.00 (2.90 - 9.00)	2.200 (0.720 - 3.030)	9.66	99
25+35+35	2.08	2.91	2.91	-	7.90 (2.90 - 9.00)	2.260 (0.710 - 2.940)	9.93	99
25+35+42	1.94	2.71	3.25	-	7.90 (2.90 - 9.00)	2.240 (0.720 - 2.920)	9.84	99
25+35+50	1.82	2.55	3.64	-	8.00 (2.90 - 9.00)	2.250 (0.720 - 3.030)	9.88	99
25+35+60	1.67	2.33	4.00	-	8.00 (2.90 - 9.00)	2.220 (0.720 - 3.030)	9.75	99
25+35+71	1.53	2.14	4.34	-	8.00 (2.90 - 9.00)	2.200 (0.720 - 3.030)	9.66	99
25+42+42	1.83	3.08	3.08	-	8.00 (2.90 - 9.00)	2.240 (0.720 - 3.030)	9.84	99
25+42+50	1.71	2.87	3.42	-	8.00 (2.90 - 9.00)	2.230 (0.720 - 3.030)	9.79	99
25+42+60	1.57	2.65	3.78	-	8.00 (2.90 - 9.00)	2.200 (0.720 - 3.030)	9.66	99
25+42+71	1.45	2.43	4.12	-	8.00 (2.90 - 9.00)	2.180 (0.720 - 3.030)	9.57	99
25+50+50	1.60	3.20	3.20	-	8.00 (2.90 - 9.00)	2.220 (0.720 - 3.030)	9.75	99
25+50+60	1.48	2.96	3.56	-	8.00 (2.90 - 9.00)	2.190 (0.720 - 3.030)	9.62	99
33+33+33	2.63	2.63	2.63	-	7.90 (2.90 - 9.00)	2.260 (0.710 - 2.930)	9.93	99
33+33+35	2.58	2.58	2.74	-	7.90 (2.90 - 9.00)	2.260 (0.720 - 2.920)	9.93	99
33+33+42	2.44	2.44	3.11	-	8.00 (2.90 - 9.00)	2.260 (0.720 - 3.030)	9.93	99
33+33+50	2.28	2.28	3.45	-	8.00 (2.90 - 9.00)	2.250 (0.720 - 3.030)	9.88	99
33+33+60	2.10	2.10	3.81	-	8.00 (2.90 - 9.00)	2.220 (0.720 - 3.030)	9.75	99
33+33+71	1.93	1.93	4.15	-	8.00 (2.90 - 9.00)	2.200 (0.720 - 3.030)	9.66	99
33+35+35	2.53	2.68	2.68	-	7.90 (2.90 - 9.00)	2.260 (0.720 - 2.920)	9.93	99
33+35+42	2.40	2.55	3.05	-	8.00 (2.90 - 9.00)	2.260 (0.720 - 3.030)	9.93	99
33+35+50	2.24	2.37	3.39	-	8.00 (2.90 - 9.00)	2.250 (0.720 - 3.030)	9.88	99
33+35+60	2.06	2.19	3.75	-	8.00 (2.90 - 9.00)	2.220 (0.720 - 3.030)	9.75	99
33+35+71	1.90	2.01	4.09	-	8.00 (2.90 - 9.00)	2.200 (0.720 - 3.030)	9.66	99
33+42+42	2.26	2.87	2.87	-	8.00 (2.90 - 9.00)	2.240 (0.720 - 3.030)	9.84	99
33+42+50	2.11	2.69	3.20	-	8.00 (2.90 - 9.00)	2.230 (0.720 - 3.030)	9.79	99
33+42+60	1.96	2.49	3.56	-	8.00 (2.90 - 9.00)	2.200 (0.720 - 3.030)	9.66	99
33+50+50	1.98	3.01	3.01	-	8.00 (2.90 - 9.00)	2.220 (0.720 - 3.030)	9.75	99
33+50+60	1.85	2.80	3.36	-	8.00 (2.90 - 9.00)	2.190 (0.720 - 3.030)	9.62	99
35+35+35	2.65	2.65	2.65	-	7.95 (2.90 - 9.00)	2.280 (0.720 - 2.910)	10.01	99
35+35+42	2.50	2.50	3.00	-	8.00 (2.90 - 9.00)	2.260 (0.720 - 3.030)	9.93	99
35+35+50	2.33	2.33	3.33	-	8.00 (2.90 - 9.00)	2.280 (0.720 - 3.030)	10.01	99
35+35+60	2.15	2.15	3.69	-	8.00 (2.90 - 9.00)	2.220 (0.720 - 3.030)	9.75	99
35+35+71	1.99	1.99	4.03	-	8.00 (2.90 - 9.00)	2.200 (0.720 - 3.030)	9.66	99
35+42+42	2.35	2.82	2.82	-	8.00 (2.90 - 9.00)	2.240 (0.720 - 3.030)	9.84	99
35+42+50	2.20	2.65	3.15	-	8.00 (2.90 - 9.00)	2.230 (0.720 - 3.030)	9.79	99

MXZ-4D80VA COOLING

Indoor units combination	Cooling capacity (kW)					Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Total			
35+42+60	2.04	2.45	3.50	-	8.00 (2.90 - 9.00)	2.200 (0.720 - 3.030)	9.66	99
35+50+50	2.07	2.96	2.96	-	8.00 (2.90 - 9.00)	2.220 (0.720 - 3.030)	9.75	99
35+50+60	1.93	2.76	3.31	-	8.00 (2.90 - 9.00)	2.190 (0.720 - 3.030)	9.62	99
22+22+22+22	1.95	1.95	1.95	1.95	7.80 (3.70 - 9.20)	1.940 (0.810 - 2.425)	8.52	99
22+22+22+25	1.90	1.90	1.90	2.16	7.85 (3.70 - 9.20)	1.950 (0.810 - 2.425)	8.56	99
22+22+22+33	1.76	1.76	1.76	2.63	7.90 (3.70 - 9.20)	1.960 (0.810 - 2.425)	8.61	99
22+22+22+35	1.74	1.74	1.74	2.77	8.00 (3.70 - 9.20)	1.982 (0.810 - 2.425)	8.70	99
22+22+22+42	1.63	1.63	1.63	3.11	8.00 (3.70 - 9.20)	1.962 (0.810 - 2.395)	8.62	99
22+22+22+50	1.52	1.52	1.52	3.45	8.00 (3.70 - 9.20)	1.952 (0.810 - 2.370)	8.57	99
22+22+22+60	1.40	1.40	1.40	3.81	8.00 (3.70 - 9.20)	1.922 (0.810 - 2.335)	8.44	99
22+22+22+71	1.28	1.28	1.28	4.15	8.00 (3.70 - 9.20)	1.902 (0.810 - 2.300)	8.35	99
22+22+25+25	1.84	1.84	2.09	2.09	7.85 (3.70 - 9.20)	1.950 (0.810 - 2.425)	8.56	99
22+22+25+33	1.73	1.73	1.96	2.59	8.00 (3.70 - 9.20)	1.982 (0.810 - 2.420)	8.70	99
22+22+25+35	1.69	1.69	1.92	2.69	8.00 (3.70 - 9.20)	1.982 (0.810 - 2.415)	8.70	99
22+22+25+42	1.59	1.59	1.80	3.03	8.00 (3.70 - 9.20)	1.962 (0.810 - 2.390)	8.62	99
22+22+25+50	1.48	1.48	1.68	3.36	8.00 (3.70 - 9.20)	1.952 (0.810 - 2.360)	8.57	99
22+22+25+60	1.36	1.36	1.55	3.72	8.00 (3.70 - 9.20)	1.922 (0.810 - 2.330)	8.44	99
22+22+25+71	1.26	1.26	1.43	4.06	8.00 (3.70 - 9.20)	1.902 (0.810 - 2.295)	8.35	99
22+22+33+33	1.60	1.60	2.40	2.40	8.00 (3.70 - 9.20)	1.982 (0.810 - 2.405)	8.70	99
22+22+33+35	1.57	1.57	2.36	2.50	8.00 (3.70 - 9.20)	1.982 (0.810 - 2.400)	8.70	99
22+22+33+42	1.48	1.48	2.22	2.82	8.00 (3.70 - 9.20)	1.962 (0.810 - 2.370)	8.62	99
22+22+33+50	1.39	1.39	2.08	3.15	8.00 (3.70 - 9.20)	1.952 (0.810 - 2.345)	8.57	99
22+22+33+60	1.28	1.28	1.93	3.50	8.00 (3.70 - 9.20)	1.922 (0.810 - 2.310)	8.44	99
22+22+35+35	1.54	1.54	2.46	2.46	8.00 (3.70 - 9.20)	1.982 (0.810 - 2.395)	8.70	99
22+22+35+42	1.45	1.45	2.31	2.78	8.00 (3.70 - 9.20)	1.962 (0.810 - 2.370)	8.62	99
22+22+35+50	1.36	1.36	2.17	3.10	8.00 (3.70 - 9.20)	1.952 (0.810 - 2.340)	8.57	99
22+22+35+60	1.27	1.27	2.01	3.45	8.00 (3.70 - 9.20)	1.922 (0.810 - 2.305)	8.44	99
22+22+42+42	1.38	1.38	2.63	2.63	8.00 (3.70 - 9.20)	1.942 (0.810 - 2.340)	8.53	99
22+22+42+50	1.29	1.29	2.47	2.94	8.00 (3.70 - 9.20)	1.932 (0.810 - 2.315)	8.48	99
22+22+50+50	1.22	1.22	2.78	2.78	8.00 (3.70 - 9.20)	1.922 (0.810 - 2.295)	8.44	99
22+25+25+25	1.79	2.04	2.04	2.04	7.90 (3.70 - 9.20)	1.960 (0.810 - 2.425)	8.61	99
22+25+25+33	1.68	1.90	1.90	2.51	8.00 (3.70 - 9.20)	1.982 (0.810 - 2.415)	8.70	99
22+25+25+35	1.64	1.87	1.87	2.62	8.00 (3.70 - 9.20)	1.982 (0.810 - 2.410)	8.70	99
22+25+25+42	1.54	1.75	1.75	2.95	8.00 (3.70 - 9.20)	1.962 (0.810 - 2.385)	8.62	99
22+25+25+50	1.44	1.64	1.64	3.28	8.00 (3.70 - 9.20)	1.952 (0.810 - 2.355)	8.57	99
22+25+25+60	1.33	1.52	1.52	3.64	8.00 (3.70 - 9.20)	1.922 (0.810 - 2.325)	8.44	99
22+25+33+33	1.56	1.77	2.34	2.34	8.00 (3.70 - 9.20)	1.982 (0.810 - 2.395)	8.70	99
22+25+33+35	1.53	1.74	2.30	2.43	8.00 (3.70 - 9.20)	1.982 (0.810 - 2.390)	8.70	99
22+25+33+42	1.44	1.64	2.16	2.75	8.00 (3.70 - 9.20)	1.962 (0.810 - 2.365)	8.62	99
22+25+33+50	1.35	1.54	2.03	3.08	8.00 (3.70 - 9.20)	1.952 (0.810 - 2.340)	8.57	99
22+25+33+60	1.26	1.43	1.89	3.43	8.00 (3.70 - 9.20)	1.922 (0.810 - 2.305)	8.44	99

MXZ-4D80VA COOLING

Indoor units combination	Cooling capacity (kW)					Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Total			
22+25+35+35	1.50	1.71	2.39	2.39	8.00 (3.70 - 9.20)	1.982 (0.810 - 2.385)	8.70	99
22+25+35+42	1.42	1.61	2.26	2.71	8.00 (3.70 - 9.20)	1.962 (0.810 - 2.360)	8.62	99
22+25+35+50	1.33	1.52	2.12	3.03	8.00 (3.70 - 9.20)	1.952 (0.810 - 2.335)	8.57	99
22+25+35+60	1.24	1.41	1.97	3.38	8.00 (3.70 - 9.20)	1.922 (0.810 - 2.305)	8.44	99
22+33+33+33	1.45	2.18	2.18	2.18	8.00 (3.70 - 9.20)	1.982 (0.810 - 2.380)	8.70	99
22+33+33+35	1.43	2.15	2.15	2.28	8.00 (3.70 - 9.20)	1.982 (0.810 - 2.375)	8.70	99
22+33+33+42	1.35	2.03	2.03	2.58	8.00 (3.70 - 9.20)	1.962 (0.810 - 2.350)	8.62	99
22+33+33+50	1.28	1.91	1.91	2.90	8.00 (3.70 - 9.20)	1.952 (0.810 - 2.320)	8.57	99
22+33+35+35	1.41	2.11	2.24	2.24	8.00 (3.70 - 9.20)	1.982 (0.810 - 2.370)	8.70	99
22+33+35+42	1.33	2.00	2.12	2.55	8.00 (3.70 - 9.20)	1.962 (0.810 - 2.345)	8.62	99
22+33+35+50	1.26	1.89	2.00	2.86	8.00 (3.70 - 9.20)	1.952 (0.810 - 2.315)	8.57	99
22+33+42+42	1.27	1.90	2.42	2.42	8.00 (3.70 - 9.20)	1.942 (0.810 - 2.315)	8.53	99
22+35+35+35	1.39	2.20	2.20	2.20	8.00 (3.70 - 9.20)	1.982 (0.810 - 2.365)	8.70	99
22+35+35+42	1.31	2.09	2.09	2.51	8.00 (3.70 - 9.20)	1.962 (0.810 - 2.340)	8.62	99
22+35+35+50	1.24	1.97	1.97	2.82	8.00 (3.70 - 9.20)	1.952 (0.810 - 2.315)	8.57	99
22+35+42+42	1.25	1.99	2.38	2.38	8.00 (3.70 - 9.20)	1.942 (0.810 - 2.315)	8.53	99
25+25+25+25	2.00	2.00	2.00	2.00	8.00 (3.70 - 9.20)	1.982 (0.810 - 2.425)	8.70	99
25+25+25+33	1.85	1.85	1.85	2.44	8.00 (3.70 - 9.20)	1.982 (0.810 - 2.405)	8.70	99
25+25+25+35	1.82	1.82	1.82	2.55	8.00 (3.70 - 9.20)	1.982 (0.810 - 2.405)	8.70	99
25+25+25+42	1.71	1.71	1.71	2.87	8.00 (3.70 - 9.20)	1.962 (0.810 - 2.375)	8.62	99
25+25+25+50	1.60	1.60	1.60	3.20	8.00 (3.70 - 9.20)	1.952 (0.810 - 2.350)	8.57	99
25+25+25+60	1.48	1.48	1.48	3.56	8.00 (3.70 - 9.20)	1.922 (0.810 - 2.315)	8.44	99
25+25+33+33	1.72	1.72	2.28	2.28	8.00 (3.70 - 9.20)	1.982 (0.810 - 2.390)	8.70	99
25+25+33+35	1.69	1.69	2.24	2.37	8.00 (3.70 - 9.20)	1.982 (0.810 - 2.385)	8.70	99
25+25+33+42	1.60	1.60	2.11	2.69	8.00 (3.70 - 9.20)	1.962 (0.810 - 2.360)	8.62	99
25+25+33+50	1.50	1.50	1.98	3.01	8.00 (3.70 - 9.20)	1.952 (0.810 - 2.330)	8.57	99
25+25+35+35	1.67	1.67	2.33	2.33	8.00 (3.70 - 9.20)	1.982 (0.810 - 2.380)	8.70	99
25+25+35+42	1.57	1.57	2.20	2.65	8.00 (3.70 - 9.20)	1.962 (0.810 - 2.355)	8.62	99
25+25+35+50	1.48	1.48	2.07	2.96	8.00 (3.70 - 9.20)	1.952 (0.810 - 2.325)	8.57	99
25+33+33+33	1.61	2.13	2.13	2.13	8.00 (3.70 - 9.20)	1.982 (0.810 - 2.370)	8.70	99
25+33+33+35	1.59	2.10	2.10	2.22	8.00 (3.70 - 9.20)	1.982 (0.810 - 2.365)	8.70	99
25+33+33+42	1.50	1.98	1.98	2.53	8.00 (3.70 - 9.20)	1.962 (0.810 - 2.340)	8.62	99
25+33+35+35	1.56	2.06	2.19	2.19	8.00 (3.70 - 9.20)	1.982 (0.810 - 2.360)	8.70	99
25+33+35+42	1.48	1.96	2.07	2.49	8.00 (3.70 - 9.20)	1.962 (0.810 - 2.335)	8.62	99
25+35+35+35	1.54	2.15	2.15	2.15	8.00 (3.70 - 9.20)	1.982 (0.810 - 2.360)	8.70	99
25+35+35+42	1.46	2.04	2.04	2.45	8.00 (3.70 - 9.20)	1.962 (0.810 - 2.330)	8.62	99
33+33+33+33	2.00	2.00	2.00	2.00	8.00 (3.70 - 9.20)	1.982 (0.810 - 2.355)	8.70	99
33+33+33+35	1.97	1.97	1.97	2.09	8.00 (3.70 - 9.20)	1.982 (0.810 - 2.350)	8.70	99
33+33+35+35	1.94	1.94	2.06	2.06	8.00 (3.70 - 9.20)	1.982 (0.810 - 2.345)	8.70	99
33+35+35+35	1.91	2.03	2.03	2.03	8.00 (3.70 - 9.20)	1.982 (0.810 - 2.340)	8.70	99
35+35+35+35	2.00	2.00	2.00	2.00	8.00 (3.70 - 9.20)	1.982 (0.810 - 2.335)	8.70	99

MXZ-4D80VA HEATING

Indoor units combination	Heating capacity (kW)					Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Total			
22	3.30	-	-	-	3.30 (1.20 - 4.20)	0.860 (0.340 - 1.380)	3.78	99
25	3.60	-	-	-	3.60 (1.20 - 4.50)	0.960 (0.340 - 1.510)	4.22	99
33	4.00	-	-	-	4.00 (1.20 - 5.50)	1.110 (0.330 - 1.570)	4.87	99
35	4.00	-	-	-	4.00 (1.20 - 5.50)	1.110 (0.330 - 1.570)	4.87	99
42	5.40	-	-	-	5.40 (1.30 - 6.50)	1.580 (0.330 - 2.140)	6.94	99
50	7.20	-	-	-	7.20 (1.40 - 7.70)	2.270 (0.330 - 2.710)	9.97	99
60	7.90	-	-	-	7.90 (1.40 - 8.60)	2.270 (0.330 - 3.060)	9.97	99
71	8.60	-	-	-	8.60 (1.60 - 9.20)	2.430 (0.360 - 3.520)	10.67	99
22+22	3.30	3.30	-	-	6.60 (1.80 - 7.20)	1.570 (0.480 - 2.760)	6.90	99
22+25	3.23	3.67	-	-	6.90 (1.80 - 8.00)	1.670 (0.480 - 2.950)	7.33	99
22+33	2.96	4.44	-	-	7.40 (1.80 - 9.20)	1.850 (0.480 - 3.190)	8.12	99
22+35	2.89	4.61	-	-	7.50 (1.80 - 9.30)	1.890 (0.480 - 3.200)	8.30	99
22+42	2.68	5.12	-	-	7.80 (1.80 - 9.70)	2.120 (0.480 - 3.230)	9.31	99
22+50	2.48	5.63	-	-	8.10 (1.80 - 9.90)	2.330 (0.480 - 3.230)	10.23	99
22+60	2.36	6.44	-	-	8.80 (1.80 - 10.90)	2.500 (0.480 - 3.270)	10.98	99
22+71	2.08	6.72	-	-	8.80 (1.80 - 11.10)	2.500 (0.460 - 3.270)	10.98	99
25+25	3.60	3.60	-	-	7.20 (1.80 - 8.80)	1.760 (0.480 - 3.140)	7.73	99
25+33	3.23	4.27	-	-	7.50 (1.80 - 9.30)	1.890 (0.480 - 3.200)	8.30	99
25+35	3.17	4.43	-	-	7.60 (1.80 - 9.50)	1.930 (0.480 - 3.230)	8.48	99
25+42	2.95	4.95	-	-	7.90 (1.80 - 9.70)	2.210 (0.480 - 3.230)	9.71	99
25+50	2.77	5.53	-	-	8.30 (1.80 - 10.20)	2.380 (0.480 - 3.240)	10.45	99
25+60	2.59	6.21	-	-	8.80 (1.80 - 10.90)	2.500 (0.460 - 3.270)	10.98	99
25+71	2.29	6.51	-	-	8.80 (1.80 - 11.10)	2.500 (0.460 - 3.270)	10.98	99
33+33	3.90	3.90	-	-	7.80 (1.80 - 9.70)	2.120 (0.480 - 3.230)	9.31	99
33+35	3.83	4.07	-	-	7.90 (1.80 - 9.70)	2.210 (0.480 - 3.230)	9.71	99
33+42	3.65	4.65	-	-	8.30 (1.80 - 10.20)	2.380 (0.480 - 3.240)	10.45	99
33+50	3.50	5.30	-	-	8.80 (1.80 - 10.90)	2.500 (0.480 - 3.270)	10.98	99
33+60	3.12	5.68	-	-	8.80 (1.80 - 11.10)	2.500 (0.460 - 3.270)	10.98	99
33+71	2.79	6.01	-	-	8.80 (1.90 - 11.20)	2.400 (0.440 - 3.320)	10.54	99
35+35	4.00	4.00	-	-	8.00 (1.80 - 9.80)	2.300 (0.480 - 3.230)	10.10	99
35+42	4.00	4.80	-	-	8.80 (1.80 - 10.40)	2.527 (0.480 - 3.250)	11.10	99
35+50	3.62	5.18	-	-	8.80 (1.80 - 10.90)	2.500 (0.460 - 3.270)	10.98	99
35+60	3.24	5.56	-	-	8.80 (1.80 - 11.10)	2.500 (0.460 - 3.270)	10.98	99
35+71	2.91	5.89	-	-	8.80 (1.90 - 11.20)	2.400 (0.440 - 3.320)	10.54	99
42+42	4.40	4.40	-	-	8.80 (1.80 - 10.90)	2.500 (0.460 - 3.270)	10.98	99
42+50	4.02	4.78	-	-	8.80 (1.80 - 11.10)	2.500 (0.460 - 3.270)	10.98	99
42+60	3.62	5.18	-	-	8.80 (1.90 - 11.20)	2.400 (0.440 - 3.320)	10.54	99
42+71	3.27	5.53	-	-	8.80 (1.90 - 11.20)	2.400 (0.440 - 3.320)	10.54	99
50+50	4.40	4.40	-	-	8.80 (1.90 - 11.20)	2.400 (0.440 - 3.320)	10.54	99
50+60	4.00	4.80	-	-	8.80 (1.90 - 11.20)	2.400 (0.440 - 3.320)	10.54	99
50+71	3.64	5.16	-	-	8.80 (1.90 - 11.20)	2.380 (0.440 - 3.320)	10.45	99

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Indoor units combination	Heating capacity (kW)					Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Total			
60+60	4.40	4.40	-	-	8.80 (1.90 - 11.20)	2.380 (0.440 - 3.320)	10.45	99
60+71	4.03	4.77	-	-	8.80 (1.90 - 11.20)	2.380 (0.440 - 3.320)	10.45	99
22+22+22	2.90	2.90	2.90	-	8.70 (2.60 - 10.80)	2.300 (0.530 - 3.170)	10.10	99
22+22+25	2.81	2.81	3.19	-	8.80 (2.60 - 10.90)	2.327 (0.530 - 3.200)	10.22	99
22+22+33	2.51	2.51	3.77	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.420)	10.22	99
22+22+35	2.45	2.45	3.90	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.410)	10.22	99
22+22+42	2.25	2.25	4.30	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.370)	10.22	99
22+22+50	2.06	2.06	4.68	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.320)	10.22	99
22+22+60	1.86	1.86	5.08	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.310)	10.22	99
22+22+71	1.68	1.68	5.43	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.310)	10.22	99
22+25+25	2.69	3.06	3.06	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.400)	10.22	99
22+25+33	2.42	2.75	3.63	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.410)	10.22	99
22+25+35	2.36	2.68	3.76	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.410)	10.22	99
22+25+42	2.18	2.47	4.15	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.360)	10.22	99
22+25+50	2.00	2.27	4.54	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.320)	10.22	99
22+25+60	1.81	2.06	4.93	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.310)	10.22	99
22+25+71	1.64	1.86	5.29	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.310)	10.22	99
22+33+33	2.20	3.30	3.30	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.400)	10.22	99
22+33+35	2.15	3.23	3.42	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.400)	10.22	99
22+33+42	2.00	2.99	3.81	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.350)	10.22	99
22+33+50	1.84	2.77	4.19	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.310)	10.22	99
22+33+60	1.68	2.53	4.59	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.310)	10.22	99
22+33+71	1.54	2.30	4.96	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.310)	10.22	99
22+35+35	2.10	3.35	3.35	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.400)	10.22	99
22+35+42	1.96	3.11	3.73	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.350)	10.22	99
22+35+50	1.81	2.88	4.11	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.310)	10.22	99
22+35+60	1.65	2.63	4.51	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.310)	10.22	99
22+35+71	1.51	2.41	4.88	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.310)	10.22	99
22+42+42	1.83	3.49	3.49	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.300)	10.22	99
22+42+50	1.70	3.24	3.86	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.270)	10.22	99
22+42+60	1.56	2.98	4.26	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.270)	10.22	99
22+42+71	1.43	2.74	4.63	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.270)	10.22	99
22+50+50	1.59	3.61	3.61	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.240)	10.22	99
22+50+60	1.47	3.33	4.00	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.240)	10.22	99
22+50+71	1.35	3.08	4.37	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.240)	10.22	99
25+25+25	2.93	2.93	2.93	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.420)	10.22	99
25+25+33	2.65	2.65	3.50	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.410)	10.22	99
25+25+35	2.59	2.59	3.62	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.410)	10.22	99
25+25+42	2.39	2.39	4.02	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.360)	10.22	99
25+25+50	2.20	2.20	4.40	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.320)	10.22	99
25+25+60	2.00	2.00	4.80	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.310)	10.22	99

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Indoor units combination	Heating capacity (kW)					Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Total			
25+25+71	1.82	1.82	5.16	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.310)	10.22	99
25+33+33	2.42	3.19	3.19	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.400)	10.22	99
25+33+35	2.37	3.12	3.31	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.400)	10.22	99
25+33+42	2.20	2.90	3.70	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.350)	10.22	99
25+33+50	2.04	2.69	4.07	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.310)	10.22	99
25+33+60	1.86	2.46	4.47	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.310)	10.22	99
25+33+71	1.71	2.25	4.84	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.310)	10.22	99
25+35+35	2.32	3.24	3.24	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.390)	10.22	99
25+35+42	2.16	3.02	3.62	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.340)	10.22	99
25+35+50	2.00	2.80	4.00	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.310)	10.22	99
25+35+60	1.83	2.57	4.40	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.310)	10.22	99
25+35+71	1.68	2.35	4.77	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.310)	10.22	99
25+42+42	2.02	3.39	3.39	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.300)	10.22	99
25+42+50	1.88	3.16	3.76	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.270)	10.22	99
25+42+60	1.73	2.91	4.16	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.270)	10.22	99
25+42+71	1.59	2.68	4.53	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.270)	10.22	99
25+50+50	1.76	3.52	3.52	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.240)	10.22	99
25+50+60	1.63	3.26	3.91	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.240)	10.22	99
33+33+33	2.93	2.93	2.93	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.390)	10.22	99
33+33+35	2.88	2.88	3.05	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.390)	10.22	99
33+33+42	2.69	2.69	3.42	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.340)	10.22	99
33+33+50	2.50	2.50	3.79	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.310)	10.22	99
33+33+60	2.30	2.30	4.19	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.310)	10.22	99
33+33+71	2.12	2.12	4.56	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.310)	10.22	99
33+35+35	2.82	2.99	2.99	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.380)	10.22	99
33+35+42	2.64	2.80	3.36	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.340)	10.22	99
33+35+50	2.46	2.61	3.73	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.310)	10.22	99
33+35+60	2.27	2.41	4.13	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.310)	10.22	99
33+35+71	2.09	2.22	4.49	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.310)	10.22	99
33+42+42	2.48	3.16	3.16	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.300)	10.22	99
33+42+50	2.32	2.96	3.52	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.270)	10.22	99
33+42+60	2.15	2.74	3.91	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.270)	10.22	99
33+50+50	2.18	3.31	3.31	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.240)	10.22	99
33+50+60	2.03	3.08	3.69	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.240)	10.22	99
35+35+35	2.93	2.93	2.93	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.380)	10.22	99
35+35+42	2.75	2.75	3.30	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.340)	10.22	99
35+35+50	2.57	2.57	3.67	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.310)	10.22	99
35+35+60	2.37	2.37	4.06	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.310)	10.22	99
35+35+71	2.18	2.18	4.43	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.310)	10.22	99
35+42+42	2.59	3.11	3.11	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.300)	10.22	99
35+42+50	2.43	2.91	3.46	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.270)	10.22	99

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Indoor units combination	Heating capacity (kW)					Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Total			
35+42+60	2.25	2.70	3.85	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.270)	10.22	99
35+50+50	2.28	3.26	3.26	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.240)	10.22	99
35+50+60	2.12	3.03	3.64	-	8.80 (2.60 - 11.60)	2.327 (0.530 - 3.240)	10.22	99
22+22+22+22	2.20	2.20	2.20	2.20	8.80 (3.40 - 11.60)	2.038 (0.590 - 3.420)	8.95	99
22+22+22+25	2.13	2.13	2.13	2.42	8.80 (3.40 - 11.60)	2.038 (0.590 - 3.410)	8.95	99
22+22+22+33	1.96	1.96	1.96	2.93	8.80 (3.40 - 11.60)	2.038 (0.590 - 3.390)	8.95	99
22+22+22+35	1.92	1.92	1.92	3.05	8.80 (3.40 - 11.60)	2.038 (0.590 - 3.390)	8.95	99
22+22+22+42	1.79	1.79	1.79	3.42	8.80 (3.40 - 11.60)	2.018 (0.590 - 3.320)	8.86	99
22+22+22+50	1.67	1.67	1.67	3.79	8.80 (3.40 - 11.60)	1.998 (0.590 - 3.300)	8.77	99
22+22+22+60	1.54	1.54	1.54	4.19	8.80 (3.40 - 11.60)	1.968 (0.590 - 3.260)	8.64	99
22+22+22+71	1.41	1.41	1.41	4.56	8.80 (3.40 - 11.60)	1.938 (0.590 - 3.210)	8.51	99
22+22+25+25	2.06	2.06	2.34	2.34	8.80 (3.40 - 11.60)	2.038 (0.590 - 3.410)	8.95	99
22+22+25+33	1.90	1.90	2.16	2.85	8.80 (3.40 - 11.60)	2.038 (0.590 - 3.380)	8.95	99
22+22+25+35	1.86	1.86	2.12	2.96	8.80 (3.40 - 11.60)	2.038 (0.590 - 3.370)	8.95	99
22+22+25+42	1.74	1.74	1.98	3.33	8.80 (3.40 - 11.60)	2.008 (0.590 - 3.310)	8.82	99
22+22+25+50	1.63	1.63	1.85	3.70	8.80 (3.40 - 11.60)	1.998 (0.590 - 3.280)	8.77	99
22+22+25+60	1.50	1.50	1.71	4.09	8.80 (3.40 - 11.60)	1.968 (0.590 - 3.240)	8.64	99
22+22+25+71	1.38	1.38	1.57	4.46	8.80 (3.40 - 11.60)	1.938 (0.590 - 3.200)	8.51	99
22+22+33+33	1.76	1.76	2.64	2.64	8.80 (3.40 - 11.60)	2.038 (0.590 - 3.350)	8.95	99
22+22+33+35	1.73	1.73	2.59	2.75	8.80 (3.40 - 11.60)	2.028 (0.590 - 3.340)	8.91	99
22+22+33+42	1.63	1.63	2.44	3.11	8.80 (3.40 - 11.60)	2.008 (0.590 - 3.270)	8.82	99
22+22+33+50	1.52	1.52	2.29	3.46	8.80 (3.40 - 11.60)	1.998 (0.590 - 3.250)	8.77	99
22+22+33+60	1.41	1.41	2.12	3.85	8.80 (3.40 - 11.60)	1.958 (0.590 - 3.210)	8.60	99
22+22+35+35	1.70	1.70	2.70	2.70	8.80 (3.40 - 11.60)	2.028 (0.590 - 3.330)	8.91	99
22+22+35+42	1.60	1.60	2.55	3.05	8.80 (3.40 - 11.60)	2.008 (0.590 - 3.270)	8.82	99
22+22+35+50	1.50	1.50	2.39	3.41	8.80 (3.40 - 11.60)	1.998 (0.590 - 3.240)	8.77	99
22+22+35+60	1.39	1.39	2.22	3.80	8.80 (3.40 - 11.60)	1.958 (0.590 - 3.200)	8.60	99
22+22+42+42	1.51	1.51	2.89	2.89	8.80 (3.40 - 11.60)	1.988 (0.590 - 3.200)	8.73	99
22+22+42+50	1.42	1.42	2.72	3.24	8.80 (3.40 - 11.60)	1.968 (0.590 - 3.180)	8.64	99
22+22+50+50	1.34	1.34	3.06	3.06	8.80 (3.40 - 11.60)	1.958 (0.590 - 3.170)	8.60	99
22+25+25+25	2.00	2.27	2.27	2.27	8.80 (3.40 - 11.60)	2.038 (0.590 - 3.400)	8.95	99
22+25+25+33	1.84	2.10	2.10	2.77	8.80 (3.40 - 11.60)	2.038 (0.590 - 3.370)	8.95	99
22+25+25+35	1.81	2.06	2.06	2.88	8.80 (3.40 - 11.60)	2.038 (0.590 - 3.360)	8.95	99
22+25+25+42	1.70	1.93	1.93	3.24	8.80 (3.40 - 11.60)	2.008 (0.590 - 3.290)	8.82	99
22+25+25+50	1.59	1.80	1.80	3.61	8.80 (3.40 - 11.60)	1.998 (0.590 - 3.270)	8.77	99
22+25+25+60	1.47	1.67	1.67	4.00	8.80 (3.40 - 11.60)	1.958 (0.590 - 3.230)	8.60	99
22+25+33+33	1.71	1.95	2.57	2.57	8.80 (3.40 - 11.60)	2.028 (0.590 - 3.340)	8.91	99
22+25+33+35	1.68	1.91	2.53	2.68	8.80 (3.40 - 11.60)	2.028 (0.590 - 3.330)	8.91	99
22+25+33+42	1.59	1.80	2.38	3.03	8.80 (3.40 - 11.60)	2.008 (0.590 - 3.260)	8.82	99
22+25+33+50	1.49	1.69	2.23	3.38	8.80 (3.40 - 11.60)	1.998 (0.590 - 3.240)	8.77	99
22+25+33+60	1.38	1.57	2.07	3.77	8.80 (3.40 - 11.60)	1.958 (0.590 - 3.200)	8.60	99

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Indoor units combination	Heating capacity (kW)					Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Total			
22+25+35+35	1.65	1.88	2.63	2.63	8.80 (3.40 - 11.60)	2.028 (0.590 - 3.320)	8.91	99
22+25+35+42	1.56	1.77	2.48	2.98	8.80 (3.40 - 11.60)	2.008 (0.590 - 3.250)	8.82	99
22+25+35+50	1.47	1.67	2.33	3.33	8.80 (3.40 - 11.60)	1.988 (0.590 - 3.230)	8.73	99
22+25+35+60	1.36	1.55	2.17	3.72	8.80 (3.40 - 11.60)	1.958 (0.590 - 3.200)	8.60	99
22+33+33+33	1.60	2.40	2.40	2.40	8.80 (3.40 - 11.60)	2.028 (0.590 - 3.310)	8.91	99
22+33+33+35	1.57	2.36	2.36	2.50	8.80 (3.40 - 11.60)	2.028 (0.590 - 3.300)	8.91	99
22+33+33+42	1.49	2.23	2.23	2.84	8.80 (3.40 - 11.60)	2.008 (0.590 - 3.230)	8.82	99
22+33+33+50	1.40	2.10	2.10	3.19	8.80 (3.40 - 11.60)	1.988 (0.590 - 3.210)	8.73	99
22+33+35+35	1.55	2.32	2.46	2.46	8.80 (3.40 - 11.60)	2.028 (0.590 - 3.290)	8.91	99
22+33+35+42	1.47	2.20	2.33	2.80	8.80 (3.40 - 11.60)	1.998 (0.590 - 3.220)	8.77	99
22+33+35+50	1.38	2.07	2.20	3.14	8.80 (3.40 - 11.60)	1.988 (0.590 - 3.200)	8.73	99
22+33+42+42	1.39	2.09	2.66	2.66	8.80 (3.40 - 11.60)	1.978 (0.590 - 3.150)	8.69	99
22+35+35+35	1.52	2.43	2.43	2.43	8.80 (3.40 - 11.60)	2.028 (0.590 - 3.280)	8.91	99
22+35+35+42	1.44	2.30	2.30	2.76	8.80 (3.40 - 11.60)	1.998 (0.590 - 3.210)	8.77	99
22+35+35+50	1.36	2.17	2.17	3.10	8.80 (3.40 - 11.60)	1.988 (0.590 - 3.200)	8.73	99
22+35+42+42	1.37	2.18	2.62	2.62	8.80 (3.40 - 11.60)	1.978 (0.590 - 3.150)	8.69	99
25+25+25+25	2.20	2.20	2.20	2.20	8.80 (3.40 - 11.60)	2.038 (0.590 - 3.390)	8.95	99
25+25+25+33	2.04	2.04	2.04	2.69	8.80 (3.40 - 11.60)	2.038 (0.590 - 3.360)	8.95	99
25+25+25+35	2.00	2.00	2.00	2.80	8.80 (3.40 - 11.60)	2.038 (0.590 - 3.350)	8.95	99
25+25+25+42	1.88	1.88	1.88	3.16	8.80 (3.40 - 11.60)	2.008 (0.590 - 3.280)	8.82	99
25+25+25+50	1.76	1.76	1.76	3.52	8.80 (3.40 - 11.60)	1.998 (0.590 - 3.260)	8.77	99
25+25+25+60	1.63	1.63	1.63	3.91	8.80 (3.40 - 11.60)	1.958 (0.590 - 3.220)	8.60	99
25+25+33+33	1.90	1.90	2.50	2.50	8.80 (3.40 - 11.60)	2.028 (0.590 - 3.330)	8.91	99
25+25+33+35	1.86	1.86	2.46	2.61	8.80 (3.40 - 11.60)	2.028 (0.590 - 3.320)	8.91	99
25+25+33+42	1.76	1.76	2.32	2.96	8.80 (3.40 - 11.60)	2.008 (0.590 - 3.250)	8.82	99
25+25+33+50	1.65	1.65	2.18	3.31	8.80 (3.40 - 11.60)	1.988 (0.590 - 3.230)	8.73	99
25+25+35+35	1.83	1.83	2.57	2.57	8.80 (3.40 - 11.60)	2.028 (0.590 - 3.310)	8.91	99
25+25+35+42	1.73	1.73	2.43	2.91	8.80 (3.40 - 11.60)	2.008 (0.590 - 3.240)	8.82	99
25+25+35+50	1.63	1.63	2.28	3.26	8.80 (3.40 - 11.60)	1.988 (0.590 - 3.220)	8.73	99
25+33+33+33	1.77	2.34	2.34	2.34	8.80 (3.40 - 11.60)	2.028 (0.590 - 3.290)	8.91	99
25+33+33+35	1.75	2.30	2.30	2.44	8.80 (3.40 - 11.60)	2.028 (0.590 - 3.290)	8.91	99
25+33+33+42	1.65	2.18	2.18	2.78	8.80 (3.40 - 11.60)	1.998 (0.590 - 3.220)	8.77	99
25+33+35+35	1.72	2.27	2.41	2.41	8.80 (3.40 - 11.60)	2.028 (0.590 - 3.280)	8.91	99
25+33+35+42	1.63	2.15	2.28	2.74	8.80 (3.40 - 11.60)	1.998 (0.590 - 3.210)	8.77	99
25+35+35+35	1.69	2.37	2.37	2.37	8.80 (3.40 - 11.60)	2.028 (0.590 - 3.270)	8.91	99
25+35+35+42	1.61	2.25	2.25	2.70	8.80 (3.40 - 11.60)	1.998 (0.590 - 3.200)	8.77	99
33+33+33+33	2.20	2.20	2.20	2.20	8.80 (3.40 - 11.60)	2.018 (0.590 - 3.260)	8.86	99
33+33+33+35	2.17	2.17	2.17	2.30	8.80 (3.40 - 11.60)	2.018 (0.590 - 3.250)	8.86	99
33+33+35+35	2.14	2.14	2.26	2.26	8.80 (3.40 - 11.60)	2.018 (0.590 - 3.250)	8.86	99
33+35+35+35	2.10	2.23	2.23	2.23	8.80 (3.40 - 11.60)	2.018 (0.590 - 3.240)	8.86	99
35+35+35+35	2.20	2.20	2.20	2.20	8.80 (3.40 - 11.60)	2.018 (0.590 - 3.230)	8.86	99

MXZ-5D100VA COOLING

Indoor units combination	Cooling capacity (kW)						Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Unit E	Total			
22	2.20	-	-	-	-	2.20 (1.40 - 3.00)	0.680 (0.400 - 0.920)	2.99	99
25	2.50	-	-	-	-	2.50 (1.40 - 3.30)	0.760 (0.400 - 1.010)	3.34	99
33	2.50	-	-	-	-	2.50 (1.40 - 3.30)	0.760 (0.400 - 1.010)	3.34	99
35	3.50	-	-	-	-	3.50 (1.50 - 4.30)	1.030 (0.400 - 1.290)	4.52	99
42	4.20	-	-	-	-	4.20 (1.60 - 5.00)	1.230 (0.410 - 1.460)	5.40	99
50	5.00	-	-	-	-	5.00 (1.60 - 5.60)	1.440 (0.420 - 1.630)	6.32	99
60	6.00	-	-	-	-	6.00 (1.60 - 6.60)	1.880 (0.400 - 2.130)	8.26	99
71	7.10	-	-	-	-	7.10 (1.70 - 7.40)	2.340 (0.410 - 2.710)	10.28	99
22+22	2.20	2.20	-	-	-	4.40 (2.00 - 5.60)	1.130 (0.600 - 1.600)	4.96	99
22+25	2.20	2.50	-	-	-	4.70 (2.00 - 5.90)	1.240 (0.600 - 1.800)	5.45	99
22+33	2.20	3.30	-	-	-	5.50 (2.00 - 6.70)	1.550 (0.580 - 2.280)	6.81	99
22+35	2.20	3.50	-	-	-	5.70 (2.00 - 6.80)	1.620 (0.580 - 2.340)	7.11	99
22+42	2.20	4.20	-	-	-	6.40 (2.00 - 7.50)	1.850 (0.580 - 2.530)	8.12	99
22+50	2.17	4.93	-	-	-	7.10 (2.00 - 8.10)	2.150 (0.580 - 2.620)	9.44	99
22+60	2.07	5.63	-	-	-	7.70 (2.00 - 8.70)	2.480 (0.580 - 3.160)	10.89	99
22+71	1.92	6.18	-	-	-	8.10 (2.00 - 9.00)	2.670 (0.590 - 3.370)	11.73	99
25+25	2.50	2.50	-	-	-	5.00 (2.00 - 6.20)	1.350 (0.580 - 1.950)	5.93	99
25+33	2.50	3.30	-	-	-	5.80 (2.00 - 7.00)	1.670 (0.580 - 2.410)	7.33	99
25+35	2.50	3.50	-	-	-	6.00 (2.00 - 7.10)	1.740 (0.580 - 2.540)	7.64	99
25+42	2.50	4.20	-	-	-	6.70 (2.00 - 7.70)	1.970 (0.580 - 2.540)	8.65	99
25+50	2.43	4.87	-	-	-	7.30 (2.00 - 8.30)	2.260 (0.580 - 2.800)	9.93	99
25+60	2.29	5.51	-	-	-	7.80 (2.00 - 8.80)	2.530 (0.590 - 3.250)	11.11	99
25+71	2.14	6.06	-	-	-	8.20 (2.00 - 9.00)	2.710 (0.590 - 3.370)	11.90	99
33+33	3.30	3.30	-	-	-	6.60 (2.00 - 7.70)	1.990 (0.580 - 2.590)	8.74	99
33+35	3.30	3.50	-	-	-	6.80 (2.00 - 7.80)	2.070 (0.580 - 2.600)	9.09	99
33+42	3.21	4.09	-	-	-	7.30 (2.00 - 8.30)	2.260 (0.580 - 2.810)	9.93	99
33+50	3.06	4.64	-	-	-	7.70 (2.00 - 8.70)	2.480 (0.580 - 3.170)	10.89	99
33+60	2.87	5.23	-	-	-	8.10 (2.00 - 9.00)	2.670 (0.590 - 3.380)	11.73	99
33+71	2.70	5.80	-	-	-	8.50 (2.10 - 9.10)	2.780 (0.590 - 3.440)	12.21	99
35+35	3.50	3.50	-	-	-	7.00 (2.00 - 8.00)	2.140 (0.580 - 2.550)	9.40	99
35+42	3.36	4.04	-	-	-	7.40 (2.00 - 8.40)	2.310 (0.580 - 2.910)	10.14	99
35+50	3.21	4.59	-	-	-	7.80 (2.00 - 8.80)	2.530 (0.590 - 3.260)	11.11	99
35+60	2.98	5.12	-	-	-	8.10 (2.00 - 9.00)	2.670 (0.590 - 3.380)	11.73	99
35+71	2.81	5.69	-	-	-	8.50 (2.10 - 9.20)	2.780 (0.580 - 3.500)	12.21	99
42+42	3.90	3.90	-	-	-	7.80 (2.00 - 8.80)	2.580 (0.590 - 3.280)	11.33	99
42+50	3.70	4.40	-	-	-	8.10 (2.00 - 9.00)	2.620 (0.590 - 3.380)	11.51	99
42+60	3.46	4.94	-	-	-	8.40 (2.10 - 9.10)	2.720 (0.590 - 3.440)	11.95	99
42+71	3.23	5.47	-	-	-	8.70 (2.10 - 9.20)	2.750 (0.560 - 3.490)	12.08	99
50+50	4.15	4.15	-	-	-	8.30 (2.10 - 9.10)	2.810 (0.590 - 3.480)	12.34	99
50+60	3.91	4.69	-	-	-	8.60 (2.10 - 9.20)	2.740 (0.570 - 3.490)	12.03	99
50+71	3.68	5.22	-	-	-	8.90 (2.10 - 9.30)	2.770 (0.550 - 3.540)	12.17	99

MXZ-5D100VA COOLING

Indoor units combination	Cooling capacity (kW)						Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Unit E	Total			
60+60	4.45	4.45	-	-	-	8.90 (2.10 - 9.30)	2.870 (0.550 - 3.600)	12.60	99
60+71	4.12	4.88	-	-	-	9.00 (2.10 - 9.40)	2.730 (0.550 - 3.580)	11.99	99
71+71	4.55	4.55	-	-	-	9.10 (2.10 - 9.50)	2.690 (0.550 - 3.620)	11.81	99
22+22+22	2.20	2.20	2.20	-	-	6.60 (2.90 - 8.10)	1.620 (0.690 - 2.410)	7.11	99
22+22+25	2.20	2.20	2.50	-	-	6.90 (2.90 - 8.40)	1.740 (0.690 - 2.610)	7.64	99
22+22+33	2.17	2.17	3.26	-	-	7.60 (2.90 - 9.00)	2.030 (0.690 - 3.010)	8.92	99
22+22+35	2.12	2.12	3.37	-	-	7.60 (2.90 - 9.00)	2.030 (0.690 - 3.010)	8.92	99
22+22+42	2.02	2.02	3.86	-	-	7.90 (2.90 - 9.10)	2.150 (0.700 - 3.010)	9.44	99
22+22+50	1.92	1.92	4.36	-	-	8.20 (2.90 - 9.30)	2.290 (0.710 - 3.010)	10.06	99
22+22+60	1.82	1.82	4.96	-	-	8.60 (2.90 - 9.40)	2.450 (0.720 - 3.000)	10.76	99
22+22+71	1.68	1.68	5.43	-	-	8.80 (2.90 - 9.70)	2.540 (0.710 - 3.050)	11.16	99
22+25+25	2.20	2.50	2.50	-	-	7.20 (2.90 - 8.70)	1.860 (0.690 - 2.810)	8.17	99
22+25+33	2.12	2.41	3.18	-	-	7.70 (2.90 - 9.10)	2.080 (0.700 - 3.020)	9.13	99
22+25+35	2.09	2.38	3.33	-	-	7.80 (2.90 - 9.10)	2.120 (0.700 - 3.020)	9.31	99
22+25+42	1.98	2.25	3.78	-	-	8.00 (2.90 - 9.20)	2.200 (0.700 - 3.010)	9.66	99
22+25+50	1.88	2.14	4.28	-	-	8.30 (2.90 - 9.30)	2.340 (0.710 - 3.010)	10.28	99
22+25+60	1.77	2.01	4.82	-	-	8.60 (2.90 - 9.40)	2.450 (0.720 - 3.000)	10.76	99
22+25+71	1.64	1.86	5.29	-	-	8.80 (2.90 - 9.70)	2.540 (0.700 - 3.050)	11.16	99
22+33+33	2.00	3.00	3.00	-	-	8.00 (2.90 - 9.20)	2.220 (0.700 - 3.020)	9.75	99
22+33+35	1.98	2.97	3.15	-	-	8.10 (2.90 - 9.20)	2.270 (0.710 - 3.020)	9.97	99
22+33+42	1.88	2.82	3.59	-	-	8.30 (2.90 - 9.30)	2.350 (0.710 - 3.020)	10.32	99
22+33+50	1.80	2.70	4.10	-	-	8.60 (2.90 - 9.40)	2.480 (0.720 - 3.010)	10.89	99
22+33+60	1.68	2.53	4.59	-	-	8.80 (2.90 - 9.70)	2.560 (0.710 - 3.060)	11.24	99
22+33+71	1.57	2.36	5.07	-	-	9.00 (2.90 - 9.90)	2.650 (0.690 - 3.090)	11.64	99
22+35+35	1.94	3.08	3.08	-	-	8.10 (2.90 - 9.20)	2.270 (0.710 - 3.020)	9.97	99
22+35+42	1.87	2.97	3.56	-	-	8.40 (2.90 - 9.30)	2.390 (0.710 - 3.020)	10.50	99
22+35+50	1.77	2.81	4.02	-	-	8.60 (2.90 - 9.40)	2.480 (0.720 - 3.010)	10.89	99
22+35+60	1.65	2.63	4.51	-	-	8.80 (2.90 - 9.70)	2.560 (0.700 - 3.060)	11.24	99
22+35+71	1.55	2.46	4.99	-	-	9.00 (2.90 - 9.90)	2.650 (0.690 - 3.090)	11.64	99
22+42+42	1.78	3.41	3.41	-	-	8.60 (2.90 - 9.40)	2.470 (0.720 - 3.010)	10.85	99
22+42+50	1.70	3.24	3.86	-	-	8.80 (2.90 - 9.70)	2.570 (0.710 - 3.060)	11.29	99
22+42+60	1.60	3.05	4.35	-	-	9.00 (2.90 - 9.90)	2.650 (0.690 - 3.090)	11.64	99
22+42+71	1.50	2.86	4.84	-	-	9.20 (2.90 - 10.40)	2.660 (0.680 - 3.250)	11.68	99
22+50+50	1.60	3.65	3.65	-	-	8.90 (2.90 - 9.80)	2.620 (0.700 - 3.070)	11.51	99
22+50+60	1.52	3.45	4.14	-	-	9.10 (2.90 - 10.10)	2.660 (0.680 - 3.150)	11.68	99
22+50+71	1.43	3.25	4.62	-	-	9.30 (2.90 - 10.60)	2.670 (0.670 - 3.300)	11.73	99
22+60+60	1.44	3.93	3.93	-	-	9.30 (2.90 - 10.60)	2.660 (0.670 - 3.300)	11.68	99
22+60+71	1.35	3.69	4.36	-	-	9.40 (2.90 - 10.80)	2.650 (0.660 - 3.360)	11.64	99
25+25+25	2.50	2.50	2.50	-	-	7.50 (2.90 - 9.00)	1.980 (0.690 - 3.010)	8.70	99
25+25+33	2.35	2.35	3.10	-	-	7.80 (2.90 - 9.10)	2.130 (0.700 - 3.020)	9.35	99
25+25+35	2.32	2.32	3.25	-	-	7.90 (2.90 - 9.10)	2.170 (0.700 - 3.020)	9.53	99

MXZ-5D100VA COOLING

Indoor units combination	Cooling capacity (kW)						Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Unit E	Total			
25+25+42	2.20	2.20	3.70	-	-	8.10 (2.90 - 9.20)	2.250 (0.710 - 3.010)	9.88	99
25+25+50	2.10	2.10	4.20	-	-	8.40 (2.90 - 9.30)	2.380 (0.720 - 3.010)	10.45	99
25+25+60	1.98	1.98	4.75	-	-	8.70 (2.90 - 9.50)	2.510 (0.710 - 3.020)	11.02	99
25+25+71	1.84	1.84	5.22	-	-	8.90 (2.90 - 9.80)	2.600 (0.700 - 3.070)	11.42	99
25+33+33	2.23	2.94	2.94	-	-	8.10 (2.90 - 9.20)	2.270 (0.700 - 3.020)	9.97	99
25+33+35	2.20	2.91	3.09	-	-	8.20 (2.90 - 9.20)	2.320 (0.710 - 3.020)	10.19	99
25+33+42	2.10	2.77	3.53	-	-	8.40 (2.90 - 9.30)	2.390 (0.720 - 3.020)	10.50	99
25+33+50	2.01	2.66	4.03	-	-	8.70 (2.90 - 9.50)	2.540 (0.720 - 3.030)	11.16	99
25+33+60	1.86	2.46	4.47	-	-	8.80 (2.90 - 9.70)	2.560 (0.700 - 3.060)	11.24	99
25+33+71	1.74	2.30	4.95	-	-	9.00 (2.90 - 9.90)	2.650 (0.690 - 3.090)	11.64	99
25+35+35	2.16	3.02	3.02	-	-	8.20 (2.90 - 9.30)	2.320 (0.710 - 3.030)	10.19	99
25+35+42	2.08	2.92	3.50	-	-	8.50 (2.90 - 9.40)	2.440 (0.720 - 3.020)	10.72	99
25+35+50	1.98	2.77	3.95	-	-	8.70 (2.90 - 9.50)	2.540 (0.710 - 3.030)	11.16	99
25+35+60	1.85	2.60	4.45	-	-	8.90 (2.90 - 9.80)	2.620 (0.700 - 3.080)	11.51	99
25+35+71	1.74	2.43	4.93	-	-	9.10 (2.90 - 10.10)	2.670 (0.680 - 3.160)	11.73	99
25+42+42	2.00	3.35	3.35	-	-	8.70 (2.90 - 9.50)	2.530 (0.710 - 3.030)	11.11	99
25+42+50	1.88	3.16	3.76	-	-	8.80 (2.90 - 9.70)	2.570 (0.700 - 3.060)	11.29	99
25+42+60	1.77	2.98	4.25	-	-	9.00 (2.90 - 9.90)	2.650 (0.690 - 3.090)	11.64	99
25+42+71	1.67	2.80	4.73	-	-	9.20 (2.90 - 10.40)	2.660 (0.680 - 3.250)	11.68	99
25+50+50	1.80	3.60	3.60	-	-	9.00 (2.90 - 9.90)	2.670 (0.690 - 3.090)	11.73	99
25+50+60	1.70	3.41	4.09	-	-	9.20 (2.90 - 10.40)	2.670 (0.680 - 3.250)	11.73	99
25+50+71	1.59	3.18	4.52	-	-	9.30 (2.90 - 10.60)	2.670 (0.670 - 3.300)	11.73	99
25+60+60	1.60	3.85	3.85	-	-	9.30 (2.90 - 10.60)	2.660 (0.670 - 3.300)	11.68	99
25+60+71	1.51	3.62	4.28	-	-	9.40 (2.90 - 10.80)	2.650 (0.660 - 3.360)	11.64	99
33+33+33	2.80	2.80	2.80	-	-	8.40 (2.90 - 9.30)	2.410 (0.710 - 3.030)	10.58	99
33+33+35	2.78	2.78	2.95	-	-	8.50 (2.90 - 9.40)	2.460 (0.720 - 3.030)	10.80	99
33+33+42	2.66	2.66	3.38	-	-	8.70 (2.90 - 9.50)	2.550 (0.720 - 3.040)	11.20	99
33+33+50	2.50	2.50	3.79	-	-	8.80 (2.90 - 9.70)	2.590 (0.700 - 3.070)	11.37	99
33+33+60	2.36	2.36	4.29	-	-	9.00 (2.90 - 9.90)	2.670 (0.690 - 3.100)	11.73	99
33+33+71	2.22	2.22	4.77	-	-	9.20 (2.90 - 10.40)	2.680 (0.680 - 3.260)	11.77	99
33+35+35	2.72	2.89	2.89	-	-	8.50 (2.90 - 9.40)	2.460 (0.720 - 3.030)	10.80	99
33+35+42	2.61	2.77	3.32	-	-	8.70 (2.90 - 9.50)	2.550 (0.710 - 3.040)	11.20	99
33+35+50	2.46	2.61	3.73	-	-	8.80 (2.90 - 9.70)	2.590 (0.700 - 3.070)	11.37	99
33+35+60	2.32	2.46	4.22	-	-	9.00 (2.90 - 9.90)	2.670 (0.690 - 3.100)	11.73	99
33+35+71	2.18	2.32	4.70	-	-	9.20 (2.90 - 10.40)	2.680 (0.680 - 3.260)	11.77	99
33+42+42	2.48	3.16	3.16	-	-	8.80 (2.90 - 9.70)	2.580 (0.700 - 3.070)	11.33	99
33+42+50	2.38	3.02	3.60	-	-	9.00 (2.90 - 9.90)	2.680 (0.690 - 3.100)	11.77	99
33+42+60	2.25	2.86	4.09	-	-	9.20 (2.90 - 10.40)	2.680 (0.680 - 3.260)	11.77	99
33+42+71	2.10	2.68	4.52	-	-	9.30 (2.90 - 10.60)	2.680 (0.670 - 3.310)	11.77	99
33+50+50	2.26	3.42	3.42	-	-	9.10 (2.90 - 10.10)	2.690 (0.680 - 3.160)	11.81	99
33+50+60	2.15	3.25	3.90	-	-	9.30 (2.90 - 10.60)	2.690 (0.670 - 3.310)	11.81	99

MXZ-5D100VA COOLING

Indoor units combination	Cooling capacity (kW)						Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Unit E	Total			
33+50+71	2.01	3.05	4.33	-	-	9.40 (2.90 - 10.80)	2.680 (0.660 - 3.370)	11.77	99
33+60+60	2.03	3.69	3.69	-	-	9.40 (2.90 - 10.80)	2.670 (0.660 - 3.370)	11.73	99
33+60+71	1.89	3.44	4.07	-	-	9.40 (2.90 - 10.80)	2.650 (0.660 - 3.360)	11.64	99
35+35+35	2.87	2.87	2.87	-	-	8.60 (2.90 - 9.40)	2.510 (0.720 - 3.030)	11.02	99
35+35+42	2.72	2.72	3.26	-	-	8.70 (2.90 - 9.50)	2.550 (0.710 - 3.040)	11.20	99
35+35+50	2.60	2.60	3.71	-	-	8.90 (2.90 - 9.80)	2.650 (0.700 - 3.090)	11.64	99
35+35+60	2.45	2.45	4.20	-	-	9.10 (2.90 - 10.10)	2.690 (0.690 - 3.170)	11.81	99
35+35+71	2.31	2.31	4.68	-	-	9.30 (2.90 - 10.60)	2.700 (0.670 - 3.320)	11.86	99
35+42+42	2.62	3.14	3.14	-	-	8.90 (2.90 - 9.80)	2.640 (0.700 - 3.090)	11.59	99
35+42+50	2.48	2.98	3.54	-	-	9.00 (2.90 - 9.90)	2.680 (0.690 - 3.100)	11.77	99
35+42+60	2.35	2.82	4.03	-	-	9.20 (2.90 - 10.40)	2.680 (0.680 - 3.260)	11.77	99
35+42+71	2.22	2.67	4.51	-	-	9.40 (2.90 - 10.80)	2.690 (0.660 - 3.380)	11.81	99
35+50+50	2.39	3.41	3.41	-	-	9.20 (2.90 - 10.40)	2.700 (0.680 - 3.260)	11.86	99
35+50+60	2.24	3.21	3.85	-	-	9.30 (2.90 - 10.60)	2.690 (0.670 - 3.310)	11.81	99
35+50+71	2.11	3.01	4.28	-	-	9.40 (2.90 - 10.80)	2.680 (0.660 - 3.370)	11.77	99
35+60+60	2.12	3.64	3.64	-	-	9.40 (2.90 - 10.80)	2.670 (0.660 - 3.370)	11.73	99
35+60+71	1.98	3.40	4.02	-	-	9.40 (2.90 - 10.80)	2.650 (0.660 - 3.360)	11.64	99
42+42+42	3.00	3.00	3.00	-	-	9.00 (2.90 - 9.90)	2.730 (0.690 - 3.130)	11.99	99
42+42+50	2.85	2.85	3.40	-	-	9.10 (2.90 - 10.10)	2.680 (0.680 - 3.160)	11.77	99
42+42+60	2.71	2.71	3.88	-	-	9.30 (2.90 - 10.60)	2.680 (0.670 - 3.310)	11.77	99
42+42+71	2.55	2.55	4.31	-	-	9.40 (2.90 - 10.80)	2.670 (0.660 - 3.370)	11.73	99
42+50+50	2.75	3.27	3.27	-	-	9.30 (2.90 - 10.60)	2.700 (0.670 - 3.310)	11.86	99
42+50+60	2.60	3.09	3.71	-	-	9.40 (2.90 - 10.80)	2.680 (0.660 - 3.370)	11.77	99
42+50+71	2.42	2.88	4.09	-	-	9.40 (2.90 - 10.80)	2.660 (0.660 - 3.360)	11.68	99
42+60+60	2.44	3.48	3.48	-	-	9.40 (2.90 - 10.80)	2.650 (0.660 - 3.360)	11.64	99
50+50+50	3.13	3.13	3.13	-	-	9.40 (2.90 - 10.80)	2.790 (0.660 - 3.430)	12.25	99
50+50+60	2.94	2.94	3.53	-	-	9.40 (2.90 - 10.80)	2.670 (0.660 - 3.360)	11.73	99
50+50+71	2.75	2.75	3.90	-	-	9.40 (2.90 - 10.80)	2.650 (0.660 - 3.350)	11.64	99
22+22+22+22	2.00	2.00	2.00	2.00	-	8.00 (3.70 - 9.20)	2.670 (0.810 - 3.195)	11.73	99
22+22+22+25	1.98	1.98	1.98	2.25	-	8.20 (3.70 - 9.40)	2.765 (0.810 - 3.265)	12.14	99
22+22+22+33	1.91	1.91	1.91	2.87	-	8.60 (3.70 - 9.90)	2.950 (0.810 - 3.440)	12.96	99
22+22+22+35	1.87	1.87	1.87	2.98	-	8.60 (3.70 - 9.90)	2.950 (0.810 - 3.440)	12.96	99
22+22+22+42	1.79	1.79	1.79	3.42	-	8.80 (3.70 - 10.10)	3.005 (0.810 - 3.470)	13.20	99
22+22+22+50	1.69	1.69	1.69	3.84	-	8.90 (3.70 - 10.10)	3.035 (0.810 - 3.460)	13.33	99
22+22+22+60	1.59	1.59	1.59	4.33	-	9.10 (3.70 - 10.30)	3.080 (0.810 - 3.490)	13.53	99
22+22+22+71	1.49	1.49	1.49	4.82	-	9.30 (3.70 - 10.40)	3.135 (0.810 - 3.500)	13.77	99
22+22+25+25	1.94	1.94	2.21	2.21	-	8.30 (3.70 - 9.60)	2.810 (0.810 - 3.335)	12.34	99
22+22+25+33	1.85	1.85	2.11	2.78	-	8.60 (3.70 - 9.90)	2.950 (0.810 - 3.440)	12.96	99
22+22+25+35	1.84	1.84	2.09	2.93	-	8.70 (3.70 - 10.00)	2.990 (0.810 - 3.460)	13.13	99
22+22+25+42	1.74	1.74	1.98	3.33	-	8.80 (3.70 - 10.10)	3.005 (0.810 - 3.470)	13.20	99
22+22+25+50	1.66	1.66	1.89	3.78	-	9.00 (3.70 - 10.20)	3.070 (0.810 - 3.480)	13.48	99

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Indoor units combination	Cooling capacity (kW)						Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Unit E	Total			
22+22+25+60	1.57	1.57	1.78	4.28	-	9.20 (3.70 - 10.40)	3.115 (0.810 - 3.510)	13.68	99
22+22+25+71	1.48	1.48	1.68	4.77	-	9.40 (3.70 - 10.50)	3.170 (0.810 - 3.520)	13.92	99
22+22+33+33	1.76	1.76	2.64	2.64	-	8.80 (3.70 - 10.10)	3.025 (0.810 - 3.480)	13.29	99
22+22+33+35	1.73	1.73	2.59	2.75	-	8.80 (3.70 - 10.10)	3.025 (0.810 - 3.480)	13.29	99
22+22+33+42	1.66	1.66	2.50	3.18	-	9.00 (3.70 - 10.20)	3.080 (0.810 - 3.490)	13.53	99
22+22+33+50	1.58	1.58	2.36	3.58	-	9.10 (3.70 - 10.30)	3.110 (0.810 - 3.500)	13.66	99
22+22+33+60	1.49	1.49	2.24	4.07	-	9.30 (3.70 - 10.40)	3.155 (0.810 - 3.510)	13.86	99
22+22+33+71	1.41	1.41	2.12	4.56	-	9.50 (3.70 - 10.60)	3.170 (0.800 - 3.520)	13.92	99
22+22+35+35	1.72	1.72	2.73	2.73	-	8.90 (3.70 - 10.10)	3.065 (0.810 - 3.480)	13.46	99
22+22+35+42	1.64	1.64	2.60	3.12	-	9.00 (3.70 - 10.20)	3.080 (0.810 - 3.490)	13.53	99
22+22+35+50	1.57	1.57	2.50	3.57	-	9.20 (3.70 - 10.40)	3.145 (0.810 - 3.520)	13.81	99
22+22+35+60	1.49	1.49	2.37	4.06	-	9.40 (3.70 - 10.50)	3.190 (0.810 - 3.530)	14.01	99
22+22+35+71	1.39	1.39	2.22	4.50	-	9.50 (3.70 - 10.60)	3.170 (0.800 - 3.520)	13.92	99
22+22+42+42	1.58	1.58	3.02	3.02	-	9.20 (3.70 - 10.40)	3.135 (0.810 - 3.520)	13.77	99
22+22+42+50	1.50	1.50	2.87	3.42	-	9.30 (3.70 - 10.40)	3.165 (0.810 - 3.510)	13.90	99
22+22+42+60	1.43	1.43	2.73	3.90	-	9.50 (3.70 - 10.60)	3.170 (0.800 - 3.520)	13.92	99
22+22+42+71	1.35	1.35	2.57	4.34	-	9.60 (3.70 - 10.80)	3.150 (0.790 - 3.510)	13.83	99
22+22+50+50	1.45	1.45	3.30	3.30	-	9.50 (3.70 - 10.60)	3.190 (0.800 - 3.520)	14.01	99
22+22+50+60	1.37	1.37	3.12	3.74	-	9.60 (3.70 - 10.80)	3.160 (0.790 - 3.510)	13.88	99
22+22+50+71	1.31	1.31	2.97	4.22	-	9.80 (3.70 - 11.00)	3.140 (0.770 - 3.500)	13.79	99
22+25+25+25	1.93	2.19	2.19	2.19	-	8.50 (3.70 - 9.80)	2.905 (0.810 - 3.405)	12.76	99
22+25+25+33	1.82	2.07	2.07	2.73	-	8.70 (3.70 - 10.00)	2.990 (0.810 - 3.460)	13.13	99
22+25+25+35	1.79	2.03	2.03	2.85	-	8.70 (3.70 - 10.00)	2.990 (0.810 - 3.460)	13.13	99
22+25+25+42	1.72	1.95	1.95	3.28	-	8.90 (3.70 - 10.10)	3.045 (0.810 - 3.470)	13.37	99
22+25+25+50	1.62	1.84	1.84	3.69	-	9.00 (3.70 - 10.20)	3.070 (0.810 - 3.480)	13.48	99
22+25+25+60	1.53	1.74	1.74	4.18	-	9.20 (3.70 - 10.40)	3.115 (0.810 - 3.510)	13.68	99
22+25+25+71	1.45	1.64	1.64	4.67	-	9.40 (3.70 - 10.50)	3.170 (0.810 - 3.520)	13.92	99
22+25+33+33	1.71	1.95	2.57	2.57	-	8.80 (3.70 - 10.10)	3.025 (0.810 - 3.480)	13.29	99
22+25+33+35	1.70	1.93	2.55	2.71	-	8.90 (3.70 - 10.10)	3.065 (0.810 - 3.480)	13.46	99
22+25+33+42	1.62	1.84	2.43	3.10	-	9.00 (3.70 - 10.20)	3.080 (0.810 - 3.490)	13.53	99
22+25+33+50	1.56	1.77	2.34	3.54	-	9.20 (3.70 - 10.40)	3.145 (0.810 - 3.520)	13.81	99
22+25+33+60	1.48	1.68	2.22	4.03	-	9.40 (3.70 - 10.50)	3.190 (0.810 - 3.530)	14.01	99
22+25+33+71	1.40	1.59	2.10	4.51	-	9.60 (3.70 - 10.80)	3.170 (0.790 - 3.520)	13.92	99
22+25+35+35	1.67	1.90	2.66	2.66	-	8.90 (3.70 - 10.10)	3.065 (0.810 - 3.480)	13.46	99
22+25+35+42	1.61	1.83	2.57	3.08	-	9.10 (3.70 - 10.30)	3.120 (0.810 - 3.510)	13.70	99
22+25+35+50	1.53	1.74	2.44	3.48	-	9.20 (3.70 - 10.40)	3.145 (0.810 - 3.520)	13.81	99
22+25+35+60	1.46	1.65	2.32	3.97	-	9.40 (3.70 - 10.50)	3.190 (0.810 - 3.530)	14.01	99
22+25+35+71	1.38	1.57	2.20	4.45	-	9.60 (3.70 - 10.80)	3.170 (0.790 - 3.520)	13.92	99
22+25+42+42	1.55	1.76	2.95	2.95	-	9.20 (3.70 - 10.40)	3.135 (0.810 - 3.520)	13.77	99
22+25+42+50	1.49	1.69	2.84	3.38	-	9.40 (3.70 - 10.50)	3.200 (0.810 - 3.530)	14.05	99
22+25+42+60	1.40	1.59	2.68	3.83	-	9.50 (3.70 - 10.60)	3.170 (0.800 - 3.520)	13.92	99

MXZ-5D100VA COOLING

Indoor units combination	Cooling capacity (kW)						Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Unit E	Total			
22+25+42+71	1.33	1.52	2.55	4.30	-	9.70 (3.70 - 10.90)	3.150 (0.780 - 3.510)	13.83	99
22+25+50+50	1.42	1.62	3.23	3.23	-	9.50 (3.70 - 10.60)	3.190 (0.800 - 3.520)	14.01	99
22+25+50+60	1.35	1.53	3.06	3.67	-	9.60 (3.70 - 10.80)	3.160 (0.790 - 3.510)	13.88	99
22+25+50+71	1.28	1.46	2.92	4.14	-	9.80 (3.70 - 11.00)	3.140 (0.770 - 3.500)	13.79	99
22+33+33+33	1.64	2.45	2.45	2.45	-	9.00 (3.70 - 10.20)	3.100 (0.810 - 3.500)	13.61	99
22+33+33+35	1.63	2.44	2.44	2.59	-	9.10 (3.70 - 10.30)	3.140 (0.810 - 3.520)	13.79	99
22+33+33+42	1.56	2.34	2.34	2.97	-	9.20 (3.70 - 10.40)	3.155 (0.810 - 3.530)	13.86	99
22+33+33+50	1.50	2.25	2.25	3.41	-	9.40 (3.70 - 10.50)	3.220 (0.810 - 3.540)	14.14	99
22+33+33+60	1.41	2.12	2.12	3.85	-	9.50 (3.70 - 10.60)	3.190 (0.800 - 3.530)	14.01	99
22+33+33+71	1.34	2.01	2.01	4.33	-	9.70 (3.70 - 10.90)	3.170 (0.780 - 3.520)	13.92	99
22+33+35+35	1.60	2.40	2.55	2.55	-	9.10 (3.70 - 10.30)	3.140 (0.810 - 3.520)	13.79	99
22+33+35+42	1.53	2.30	2.44	2.93	-	9.20 (3.70 - 10.40)	3.155 (0.810 - 3.530)	13.86	99
22+33+35+50	1.48	2.22	2.35	3.36	-	9.40 (3.70 - 10.50)	3.220 (0.810 - 3.540)	14.14	99
22+33+35+60	1.39	2.09	2.22	3.80	-	9.50 (3.70 - 10.60)	3.190 (0.800 - 3.530)	14.01	99
22+33+35+71	1.33	1.99	2.11	4.28	-	9.70 (3.70 - 10.90)	3.170 (0.780 - 3.520)	13.92	99
22+33+42+42	1.49	2.23	2.84	2.84	-	9.40 (3.70 - 10.50)	3.210 (0.810 - 3.540)	14.10	99
22+33+42+50	1.42	2.13	2.71	3.23	-	9.50 (3.70 - 10.60)	3.200 (0.800 - 3.530)	14.05	99
22+33+42+60	1.35	2.02	2.57	3.67	-	9.60 (3.70 - 10.80)	3.170 (0.790 - 3.520)	13.92	99
22+33+42+71	1.28	1.93	2.45	4.14	-	9.80 (3.70 - 11.00)	3.150 (0.770 - 3.510)	13.83	99
22+33+50+50	1.36	2.04	3.10	3.10	-	9.60 (3.70 - 10.80)	3.190 (0.790 - 3.520)	14.01	99
22+33+50+60	1.31	1.96	2.97	3.56	-	9.80 (3.70 - 11.00)	3.160 (0.770 - 3.510)	13.88	99
22+35+35+35	1.58	2.51	2.51	2.51	-	9.10 (3.70 - 10.30)	3.140 (0.810 - 3.520)	13.79	99
22+35+35+42	1.53	2.43	2.43	2.91	-	9.30 (3.70 - 10.40)	3.195 (0.810 - 3.530)	14.03	99
22+35+35+50	1.46	2.32	2.32	3.31	-	9.40 (3.70 - 10.50)	3.220 (0.810 - 3.540)	14.14	99
22+35+35+60	1.39	2.21	2.21	3.79	-	9.60 (3.70 - 10.80)	3.190 (0.790 - 3.530)	14.01	99
22+35+35+71	1.31	2.08	2.08	4.23	-	9.70 (3.70 - 10.90)	3.170 (0.780 - 3.520)	13.92	99
22+35+42+42	1.47	2.33	2.80	2.80	-	9.40 (3.70 - 10.50)	3.210 (0.810 - 3.540)	14.10	99
22+35+42+50	1.40	2.23	2.68	3.19	-	9.50 (3.70 - 10.60)	3.200 (0.800 - 3.530)	14.05	99
22+35+42+60	1.34	2.14	2.56	3.66	-	9.70 (3.70 - 10.90)	3.170 (0.780 - 3.520)	13.92	99
22+35+42+71	1.27	2.02	2.42	4.09	-	9.80 (3.70 - 11.00)	3.150 (0.770 - 3.510)	13.83	99
22+35+50+50	1.35	2.14	3.06	3.06	-	9.60 (3.70 - 10.80)	3.190 (0.790 - 3.520)	14.01	99
22+35+50+60	1.29	2.05	2.93	3.52	-	9.80 (3.70 - 11.00)	3.160 (0.770 - 3.510)	13.88	99
22+42+42+42	1.41	2.70	2.70	2.70	-	9.50 (3.70 - 10.60)	3.190 (0.800 - 3.530)	14.01	99
22+42+42+50	1.35	2.58	2.58	3.08	-	9.60 (3.70 - 10.80)	3.180 (0.790 - 3.520)	13.97	99
22+42+42+60	1.30	2.48	2.48	3.54	-	9.80 (3.70 - 11.00)	3.150 (0.770 - 3.510)	13.83	99
22+42+50+50	1.30	2.48	2.96	2.96	-	9.70 (3.70 - 10.90)	3.170 (0.780 - 3.510)	13.92	99
25+25+25+25	2.15	2.15	2.15	2.15	-	8.60 (3.70 - 9.90)	2.950 (0.810 - 3.440)	12.96	99
25+25+25+33	2.04	2.04	2.04	2.69	-	8.80 (3.70 - 10.10)	3.025 (0.810 - 3.480)	13.29	99
25+25+25+35	2.00	2.00	2.00	2.80	-	8.80 (3.70 - 10.10)	3.025 (0.810 - 3.480)	13.29	99
25+25+25+42	1.90	1.90	1.90	3.19	-	8.90 (3.70 - 10.10)	3.045 (0.810 - 3.470)	13.37	99
25+25+25+50	1.82	1.82	1.82	3.64	-	9.10 (3.70 - 10.30)	3.110 (0.810 - 3.500)	13.66	99

MXZ-5D100VA COOLING

Indoor units combination	Cooling capacity (kW)						Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Unit E	Total			
25+25+25+60	1.72	1.72	1.72	4.13	-	9.30 (3.70 - 10.40)	3.155 (0.810 - 3.510)	13.86	99
25+25+25+71	1.63	1.63	1.63	4.62	-	9.50 (3.70 - 10.60)	3.170 (0.800 - 3.520)	13.92	99
25+25+33+33	1.92	1.92	2.53	2.53	-	8.90 (3.70 - 10.10)	3.065 (0.810 - 3.480)	13.46	99
25+25+33+35	1.89	1.89	2.49	2.64	-	8.90 (3.70 - 10.10)	3.065 (0.810 - 3.480)	13.46	99
25+25+33+42	1.82	1.82	2.40	3.06	-	9.10 (3.70 - 10.30)	3.120 (0.810 - 3.510)	13.70	99
25+25+33+50	1.75	1.75	2.31	3.50	-	9.30 (3.70 - 10.40)	3.185 (0.810 - 3.520)	13.99	99
25+25+33+60	1.64	1.64	2.17	3.94	-	9.40 (3.70 - 10.50)	3.190 (0.810 - 3.530)	14.01	99
25+25+33+71	1.56	1.56	2.06	4.43	-	9.60 (3.70 - 10.80)	3.170 (0.790 - 3.520)	13.92	99
25+25+35+35	1.88	1.88	2.63	2.63	-	9.00 (3.70 - 10.20)	3.100 (0.810 - 3.500)	13.61	99
25+25+35+42	1.79	1.79	2.51	3.01	-	9.10 (3.70 - 10.30)	3.120 (0.810 - 3.510)	13.70	99
25+25+35+50	1.72	1.72	2.41	3.44	-	9.30 (3.70 - 10.40)	3.185 (0.810 - 3.520)	13.99	99
25+25+35+60	1.64	1.64	2.29	3.93	-	9.50 (3.70 - 10.60)	3.190 (0.800 - 3.530)	14.01	99
25+25+35+71	1.54	1.54	2.15	4.37	-	9.60 (3.70 - 10.80)	3.170 (0.790 - 3.520)	13.92	99
25+25+42+42	1.74	1.74	2.91	2.91	-	9.30 (3.70 - 10.40)	3.175 (0.810 - 3.520)	13.94	99
25+25+42+50	1.65	1.65	2.78	3.31	-	9.40 (3.70 - 10.50)	3.200 (0.810 - 3.530)	14.05	99
25+25+42+60	1.58	1.58	2.65	3.79	-	9.60 (3.70 - 10.80)	3.170 (0.790 - 3.520)	13.92	99
25+25+42+71	1.49	1.49	2.50	4.23	-	9.70 (3.70 - 10.90)	3.150 (0.780 - 3.510)	13.83	99
25+25+50+50	1.58	1.58	3.17	3.17	-	9.50 (3.70 - 10.60)	3.190 (0.800 - 3.520)	14.01	99
25+25+50+60	1.52	1.52	3.03	3.64	-	9.70 (3.70 - 10.90)	3.160 (0.780 - 3.510)	13.88	99
25+25+50+71	1.43	1.43	2.87	4.07	-	9.80 (3.70 - 11.00)	3.140 (0.770 - 3.500)	13.79	99
25+33+33+33	1.83	2.42	2.42	2.42	-	9.10 (3.70 - 10.30)	3.140 (0.810 - 3.520)	13.79	99
25+33+33+35	1.81	2.38	2.38	2.53	-	9.10 (3.70 - 10.30)	3.140 (0.810 - 3.520)	13.79	99
25+33+33+42	1.75	2.31	2.31	2.94	-	9.30 (3.70 - 10.40)	3.195 (0.810 - 3.530)	14.03	99
25+33+33+50	1.67	2.20	2.20	3.33	-	9.40 (3.70 - 10.50)	3.220 (0.810 - 3.540)	14.14	99
25+33+33+60	1.59	2.10	2.10	3.81	-	9.60 (3.70 - 10.80)	3.190 (0.790 - 3.530)	14.01	99
25+33+33+71	1.50	1.98	1.98	4.25	-	9.70 (3.70 - 10.90)	3.170 (0.780 - 3.520)	13.92	99
25+33+35+35	1.80	2.37	2.52	2.52	-	9.20 (3.70 - 10.40)	3.175 (0.810 - 3.540)	13.94	99
25+33+35+42	1.72	2.27	2.41	2.89	-	9.30 (3.70 - 10.40)	3.195 (0.810 - 3.530)	14.03	99
25+33+35+50	1.64	2.17	2.30	3.29	-	9.40 (3.70 - 10.50)	3.220 (0.810 - 3.540)	14.14	99
25+33+35+60	1.57	2.07	2.20	3.76	-	9.60 (3.70 - 10.80)	3.190 (0.790 - 3.530)	14.01	99
25+33+35+71	1.48	1.95	2.07	4.20	-	9.70 (3.70 - 10.90)	3.170 (0.780 - 3.520)	13.92	99
25+33+42+42	1.65	2.18	2.78	2.78	-	9.40 (3.70 - 10.50)	3.210 (0.810 - 3.540)	14.10	99
25+33+42+50	1.58	2.09	2.66	3.17	-	9.50 (3.70 - 10.60)	3.200 (0.800 - 3.530)	14.05	99
25+33+42+60	1.52	2.00	2.55	3.64	-	9.70 (3.70 - 10.90)	3.170 (0.780 - 3.520)	13.92	99
25+35+35+35	1.77	2.48	2.48	2.48	-	9.20 (3.70 - 10.40)	3.175 (0.810 - 3.540)	13.94	99
25+35+35+42	1.70	2.38	2.38	2.85	-	9.30 (3.70 - 10.40)	3.195 (0.810 - 3.530)	14.03	99
25+35+35+50	1.64	2.29	2.29	3.28	-	9.50 (3.70 - 10.60)	3.220 (0.800 - 3.540)	14.14	99
25+35+35+60	1.55	2.17	2.17	3.72	-	9.60 (3.70 - 10.80)	3.190 (0.790 - 3.530)	14.01	99
25+35+35+71	1.48	2.07	2.07	4.19	-	9.80 (3.70 - 11.00)	3.170 (0.770 - 3.520)	13.92	99
25+35+42+42	1.65	2.31	2.77	2.77	-	9.50 (3.70 - 10.60)	3.210 (0.800 - 3.540)	14.10	99
25+35+42+50	1.58	2.21	2.65	3.16	-	9.60 (3.70 - 10.80)	3.200 (0.790 - 3.530)	14.05	99

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Indoor units combination	Cooling capacity (kW)						Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Unit E	Total			
25+35+42+60	1.50	2.10	2.51	3.59	-	9.70 (3.70 - 10.90)	3.170 (0.780 - 3.520)	13.92	99
25+42+42+42	1.59	2.67	2.67	2.67	-	9.60 (3.70 - 10.80)	3.190 (0.790 - 3.530)	14.01	99
25+42+42+50	1.53	2.56	2.56	3.05	-	9.70 (3.70 - 10.90)	3.180 (0.780 - 3.520)	13.97	99
25+42+42+60	1.45	2.44	2.44	3.48	-	9.80 (3.70 - 11.00)	3.150 (0.770 - 3.510)	13.83	99
25+42+50+50	1.47	2.46	2.93	2.93	-	9.80 (3.70 - 11.00)	3.170 (0.770 - 3.510)	13.92	99
33+33+33+33	2.30	2.30	2.30	2.30	-	9.20 (3.70 - 10.40)	3.175 (0.810 - 3.540)	13.94	99
33+33+33+35	2.29	2.29	2.29	2.43	-	9.30 (3.70 - 10.40)	3.215 (0.810 - 3.540)	14.12	99
33+33+33+42	2.20	2.20	2.20	2.80	-	9.40 (3.70 - 10.50)	3.230 (0.810 - 3.550)	14.19	99
33+33+33+50	2.10	2.10	2.10	3.19	-	9.50 (3.70 - 10.60)	3.220 (0.800 - 3.540)	14.14	99
33+33+33+60	2.01	2.01	2.01	3.66	-	9.70 (3.70 - 10.90)	3.190 (0.780 - 3.530)	14.01	99
33+33+35+35	2.26	2.26	2.39	2.39	-	9.30 (3.70 - 10.40)	3.215 (0.810 - 3.540)	14.12	99
33+33+35+42	2.17	2.17	2.30	2.76	-	9.40 (3.70 - 10.50)	3.230 (0.810 - 3.550)	14.19	99
33+33+35+50	2.10	2.10	2.23	3.18	-	9.60 (3.70 - 10.80)	3.220 (0.790 - 3.540)	14.14	99
33+33+35+60	1.99	1.99	2.11	3.61	-	9.70 (3.70 - 10.90)	3.190 (0.780 - 3.530)	14.01	99
33+33+42+42	2.09	2.09	2.66	2.66	-	9.50 (3.70 - 10.60)	3.210 (0.800 - 3.540)	14.10	99
33+33+42+50	2.03	2.03	2.58	3.07	-	9.70 (3.70 - 10.90)	3.200 (0.780 - 3.530)	14.05	99
33+35+35+35	2.25	2.38	2.38	2.38	-	9.40 (3.70 - 10.50)	3.250 (0.810 - 3.560)	14.27	99
33+35+35+42	2.16	2.29	2.29	2.75	-	9.50 (3.70 - 10.60)	3.230 (0.800 - 3.550)	14.19	99
33+35+35+50	2.07	2.20	2.20	3.14	-	9.60 (3.70 - 10.80)	3.220 (0.790 - 3.540)	14.14	99
33+35+35+60	1.96	2.08	2.08	3.57	-	9.70 (3.70 - 10.90)	3.190 (0.780 - 3.530)	14.01	99
33+35+42+42	2.08	2.21	2.65	2.65	-	9.60 (3.70 - 10.80)	3.210 (0.790 - 3.540)	14.10	99
33+35+42+50	2.00	2.12	2.55	3.03	-	9.70 (3.70 - 10.90)	3.200 (0.780 - 3.530)	14.05	99
33+42+42+42	2.01	2.56	2.56	2.56	-	9.70 (3.70 - 10.90)	3.190 (0.780 - 3.530)	14.01	99
33+42+42+50	1.94	2.46	2.46	2.93	-	9.80 (3.70 - 11.00)	3.180 (0.770 - 3.520)	13.97	99
35+35+35+35	2.35	2.35	2.35	2.35	-	9.40 (3.70 - 10.50)	3.250 (0.810 - 3.560)	14.27	99
35+35+35+42	2.26	2.26	2.26	2.71	-	9.50 (3.70 - 10.60)	3.230 (0.800 - 3.550)	14.19	99
35+35+35+50	2.17	2.17	2.17	3.10	-	9.60 (3.70 - 10.80)	3.220 (0.790 - 3.540)	14.14	99
35+35+35+60	2.08	2.08	2.08	3.56	-	9.80 (3.70 - 11.00)	3.190 (0.770 - 3.530)	14.01	99
35+35+42+42	2.18	2.18	2.62	2.62	-	9.60 (3.70 - 10.80)	3.210 (0.790 - 3.540)	14.10	99
35+35+42+50	2.10	2.10	2.51	2.99	-	9.70 (3.70 - 10.90)	3.200 (0.780 - 3.530)	14.05	99
35+42+42+42	2.11	2.53	2.53	2.53	-	9.70 (3.70 - 10.90)	3.190 (0.780 - 3.530)	14.01	99
35+42+42+50	2.03	2.44	2.44	2.90	-	9.80 (3.70 - 11.00)	3.180 (0.770 - 3.520)	13.97	99
42+42+42+42	2.45	2.45	2.45	2.45	-	9.80 (3.70 - 11.00)	3.250 (0.770 - 3.560)	14.27	99
22+22+22+22+22	2.00	2.00	2.00	2.00	2.00	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
22+22+22+22+25	1.95	1.95	1.95	1.95	2.21	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
22+22+22+22+33	1.82	1.82	1.82	1.82	2.73	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
22+22+22+22+35	1.79	1.79	1.79	1.79	2.85	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
22+22+22+22+42	1.69	1.69	1.69	1.69	3.23	10.00 (3.90 - 11.00)	2.960 (0.780 - 3.415)	13.00	99
22+22+22+22+50	1.59	1.59	1.59	1.59	3.62	10.00 (3.90 - 11.00)	2.950 (0.780 - 3.405)	12.96	99
22+22+22+22+60	1.49	1.49	1.49	1.49	4.05	10.00 (3.90 - 11.00)	2.920 (0.780 - 3.395)	12.82	99
22+22+22+22+71	1.38	1.38	1.38	1.38	4.47	10.00 (3.90 - 11.00)	2.900 (0.780 - 3.385)	12.74	99

MXZ-5D100VA COOLING

Indoor units combination	Cooling capacity (kW)						Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Unit E	Total			
22+22+22+25+25	1.90	1.90	1.90	2.16	2.16	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
22+22+22+25+33	1.77	1.77	1.77	2.02	2.66	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
22+22+22+25+35	1.75	1.75	1.75	1.98	2.78	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
22+22+22+25+42	1.65	1.65	1.65	1.88	3.16	10.00 (3.90 - 11.00)	2.960 (0.780 - 3.415)	13.00	99
22+22+22+25+50	1.56	1.56	1.56	1.77	3.55	10.00 (3.90 - 11.00)	2.950 (0.780 - 3.405)	12.96	99
22+22+22+25+60	1.46	1.46	1.46	1.66	3.97	10.00 (3.90 - 11.00)	2.920 (0.780 - 3.395)	12.82	99
22+22+22+25+71	1.36	1.36	1.36	1.54	4.38	10.00 (3.90 - 11.00)	2.900 (0.780 - 3.385)	12.74	99
22+22+22+33+33	1.67	1.67	1.67	2.50	2.50	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
22+22+22+33+35	1.64	1.64	1.64	2.46	2.61	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
22+22+22+33+42	1.56	1.56	1.56	2.34	2.98	10.00 (3.90 - 11.00)	2.960 (0.780 - 3.415)	13.00	99
22+22+22+33+50	1.48	1.48	1.48	2.21	3.36	10.00 (3.90 - 11.00)	2.950 (0.780 - 3.405)	12.96	99
22+22+22+33+60	1.38	1.38	1.38	2.08	3.77	10.00 (3.90 - 11.00)	2.920 (0.780 - 3.395)	12.82	99
22+22+22+33+71	1.29	1.29	1.29	1.94	4.18	10.00 (3.90 - 11.00)	2.900 (0.780 - 3.385)	12.74	99
22+22+22+35+35	1.62	1.62	1.62	2.57	2.57	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
22+22+22+35+42	1.54	1.54	1.54	2.45	2.94	10.00 (3.90 - 11.00)	2.960 (0.780 - 3.415)	13.00	99
22+22+22+35+50	1.46	1.46	1.46	2.32	3.31	10.00 (3.90 - 11.00)	2.950 (0.780 - 3.405)	12.96	99
22+22+22+35+60	1.37	1.37	1.37	2.17	3.73	10.00 (3.90 - 11.00)	2.920 (0.780 - 3.395)	12.82	99
22+22+22+35+71	1.28	1.28	1.28	2.03	4.13	10.00 (3.90 - 11.00)	2.900 (0.780 - 3.385)	12.74	99
22+22+22+42+42	1.47	1.47	1.47	2.80	2.80	10.00 (3.90 - 11.00)	2.940 (0.780 - 3.405)	12.91	99
22+22+22+42+50	1.39	1.39	1.39	2.66	3.16	10.00 (3.90 - 11.00)	2.930 (0.780 - 3.395)	12.87	99
22+22+22+42+60	1.31	1.31	1.31	2.50	3.57	10.00 (3.90 - 11.00)	2.900 (0.780 - 3.385)	12.74	99
22+22+25+25+25	1.85	1.85	2.10	2.10	2.10	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
22+22+25+25+33	1.73	1.73	1.97	1.97	2.60	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
22+22+25+25+35	1.71	1.71	1.94	1.94	2.71	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
22+22+25+25+42	1.62	1.62	1.84	1.84	3.09	10.00 (3.90 - 11.00)	2.960 (0.780 - 3.415)	13.00	99
22+22+25+25+50	1.53	1.53	1.74	1.74	3.47	10.00 (3.90 - 11.00)	2.950 (0.780 - 3.405)	12.96	99
22+22+25+25+60	1.43	1.43	1.62	1.62	3.90	10.00 (3.90 - 11.00)	2.920 (0.780 - 3.395)	12.82	99
22+22+25+25+71	1.33	1.33	1.52	1.52	4.30	10.00 (3.90 - 11.00)	2.900 (0.780 - 3.385)	12.74	99
22+22+25+33+33	1.63	1.63	1.85	2.44	2.44	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
22+22+25+33+35	1.61	1.61	1.82	2.41	2.55	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
22+22+25+33+42	1.53	1.53	1.74	2.29	2.92	10.00 (3.90 - 11.00)	2.960 (0.780 - 3.415)	13.00	99
22+22+25+33+50	1.45	1.45	1.64	2.17	3.29	10.00 (3.90 - 11.00)	2.950 (0.780 - 3.405)	12.96	99
22+22+25+33+60	1.36	1.36	1.54	2.04	3.70	10.00 (3.90 - 11.00)	2.920 (0.780 - 3.395)	12.82	99
22+22+25+35+35	1.58	1.58	1.80	2.52	2.52	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
22+22+25+35+42	1.51	1.51	1.71	2.40	2.88	10.00 (3.90 - 11.00)	2.960 (0.780 - 3.415)	13.00	99
22+22+25+35+50	1.43	1.43	1.62	2.27	3.25	10.00 (3.90 - 11.00)	2.950 (0.780 - 3.405)	12.96	99
22+22+25+35+60	1.34	1.34	1.52	2.13	3.66	10.00 (3.90 - 11.00)	2.920 (0.780 - 3.395)	12.82	99
22+22+25+42+42	1.44	1.44	1.63	2.75	2.75	10.00 (3.90 - 11.00)	2.940 (0.780 - 3.405)	12.91	99
22+22+25+42+50	1.37	1.37	1.55	2.61	3.11	10.00 (3.90 - 11.00)	2.930 (0.780 - 3.395)	12.87	99
22+22+25+42+60	1.29	1.29	1.46	2.46	3.51	10.00 (3.90 - 11.00)	2.900 (0.780 - 3.385)	12.74	99
22+22+33+33+33	1.54	1.54	2.31	2.31	2.31	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99

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Indoor units combination	Cooling capacity (kW)						Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Unit E	Total			
22+22+33+33+35	1.52	1.52	2.28	2.28	2.41	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
22+22+33+33+42	1.45	1.45	2.17	2.17	2.76	10.00 (3.90 - 11.00)	2.960 (0.780 - 3.415)	13.00	99
22+22+33+33+50	1.38	1.38	2.06	2.06	3.13	10.00 (3.90 - 11.00)	2.950 (0.780 - 3.405)	12.96	99
22+22+33+35+35	1.50	1.50	2.24	2.38	2.38	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
22+22+33+35+42	1.43	1.43	2.14	2.27	2.73	10.00 (3.90 - 11.00)	2.960 (0.780 - 3.415)	13.00	99
22+22+33+35+50	1.36	1.36	2.04	2.16	3.09	10.00 (3.90 - 11.00)	2.950 (0.780 - 3.405)	12.96	99
22+22+33+42+42	1.37	1.37	2.05	2.61	2.61	10.00 (3.90 - 11.00)	2.940 (0.780 - 3.405)	12.91	99
22+22+33+42+50	1.30	1.30	1.95	2.49	2.96	10.00 (3.90 - 11.00)	2.930 (0.780 - 3.395)	12.87	99
22+22+35+35+35	1.48	1.48	2.35	2.35	2.35	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
22+22+35+35+42	1.41	1.41	2.24	2.24	2.69	10.00 (3.90 - 11.00)	2.960 (0.780 - 3.415)	13.00	99
22+22+35+35+50	1.34	1.34	2.13	2.13	3.05	10.00 (3.90 - 11.00)	2.950 (0.780 - 3.405)	12.96	99
22+22+35+42+42	1.35	1.35	2.15	2.58	2.58	10.00 (3.90 - 11.00)	2.940 (0.780 - 3.405)	12.91	99
22+22+35+42+50	1.29	1.29	2.05	2.46	2.92	10.00 (3.90 - 11.00)	2.930 (0.780 - 3.395)	12.87	99
22+22+42+42+42	1.29	1.29	2.47	2.47	2.47	10.00 (3.90 - 11.00)	2.920 (0.780 - 3.395)	12.82	99
22+25+25+25+25	1.80	2.05	2.05	2.05	2.05	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
22+25+25+25+33	1.69	1.92	1.92	1.92	2.54	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
22+25+25+25+35	1.67	1.89	1.89	1.89	2.65	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
22+25+25+25+42	1.58	1.80	1.80	1.80	3.02	10.00 (3.90 - 11.00)	2.960 (0.780 - 3.415)	13.00	99
22+25+25+25+50	1.50	1.70	1.70	1.70	3.40	10.00 (3.90 - 11.00)	2.950 (0.780 - 3.405)	12.96	99
22+25+25+25+60	1.40	1.59	1.59	1.59	3.82	10.00 (3.90 - 11.00)	2.920 (0.780 - 3.395)	12.82	99
22+25+25+25+71	1.31	1.49	1.49	1.49	4.23	10.00 (3.90 - 11.00)	2.900 (0.780 - 3.385)	12.74	99
22+25+25+33+33	1.59	1.81	1.81	2.39	2.39	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
22+25+25+33+35	1.57	1.79	1.79	2.36	2.50	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
22+25+25+33+42	1.50	1.70	1.70	2.24	2.86	10.00 (3.90 - 11.00)	2.960 (0.780 - 3.415)	13.00	99
22+25+25+33+50	1.42	1.61	1.61	2.13	3.23	10.00 (3.90 - 11.00)	2.950 (0.780 - 3.405)	12.96	99
22+25+25+33+60	1.33	1.52	1.52	2.00	3.64	10.00 (3.90 - 11.00)	2.920 (0.780 - 3.395)	12.82	99
22+25+25+35+35	1.55	1.76	1.76	2.46	2.46	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
22+25+25+35+42	1.48	1.68	1.68	2.35	2.82	10.00 (3.90 - 11.00)	2.960 (0.780 - 3.415)	13.00	99
22+25+25+35+50	1.40	1.59	1.59	2.23	3.18	10.00 (3.90 - 11.00)	2.950 (0.780 - 3.405)	12.96	99
22+25+25+35+60	1.32	1.50	1.50	2.10	3.59	10.00 (3.90 - 11.00)	2.920 (0.780 - 3.395)	12.82	99
22+25+25+42+42	1.41	1.60	1.60	2.69	2.69	10.00 (3.90 - 11.00)	2.940 (0.780 - 3.405)	12.91	99
22+25+25+42+50	1.34	1.52	1.52	2.56	3.05	10.00 (3.90 - 11.00)	2.930 (0.780 - 3.395)	12.87	99
22+25+33+33+33	1.51	1.71	2.26	2.26	2.26	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
22+25+33+33+35	1.49	1.69	2.23	2.23	2.36	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
22+25+33+33+42	1.42	1.61	2.13	2.13	2.71	10.00 (3.90 - 11.00)	2.960 (0.780 - 3.415)	13.00	99
22+25+33+33+50	1.35	1.53	2.02	2.02	3.07	10.00 (3.90 - 11.00)	2.950 (0.780 - 3.405)	12.96	99
22+25+33+35+35	1.47	1.67	2.20	2.33	2.33	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
22+25+33+35+42	1.40	1.59	2.10	2.23	2.68	10.00 (3.90 - 11.00)	2.960 (0.780 - 3.415)	13.00	99
22+25+33+35+50	1.33	1.52	2.00	2.12	3.03	10.00 (3.90 - 11.00)	2.950 (0.780 - 3.405)	12.96	99
22+25+33+42+42	1.34	1.52	2.01	2.56	2.56	10.00 (3.90 - 11.00)	2.940 (0.780 - 3.405)	12.91	99
22+25+35+35+35	1.45	1.64	2.30	2.30	2.30	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99

MXZ-5D100VA COOLING

Indoor units combination	Cooling capacity (kW)						Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Unit E	Total			
22+25+35+35+42	1.38	1.57	2.20	2.20	2.64	10.00 (3.90 - 11.00)	2.960 (0.780 - 3.415)	13.00	99
22+25+35+35+50	1.32	1.50	2.10	2.10	2.99	10.00 (3.90 - 11.00)	2.950 (0.780 - 3.405)	12.96	99
22+25+35+42+42	1.33	1.51	2.11	2.53	2.53	10.00 (3.90 - 11.00)	2.940 (0.780 - 3.405)	12.91	99
22+33+33+33+33	1.43	2.14	2.14	2.14	2.14	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
22+33+33+33+35	1.41	2.12	2.12	2.12	2.24	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
22+33+33+33+42	1.35	2.02	2.02	2.02	2.58	10.00 (3.90 - 11.00)	2.960 (0.780 - 3.415)	13.00	99
22+33+33+35+35	1.39	2.09	2.09	2.22	2.22	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
22+33+33+35+42	1.33	2.00	2.00	2.12	2.55	10.00 (3.90 - 11.00)	2.960 (0.780 - 3.415)	13.00	99
22+33+35+35+35	1.38	2.06	2.19	2.19	2.19	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
22+33+35+35+42	1.32	1.98	2.10	2.10	2.51	10.00 (3.90 - 11.00)	2.960 (0.780 - 3.415)	13.00	99
22+35+35+35+35	1.36	2.16	2.16	2.16	2.16	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
22+35+35+35+42	1.30	2.07	2.07	2.07	2.49	10.00 (3.90 - 11.00)	2.960 (0.780 - 3.415)	13.00	99
25+25+25+25+25	2.00	2.00	2.00	2.00	2.00	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
25+25+25+25+33	1.88	1.88	1.88	1.88	2.48	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
25+25+25+25+35	1.85	1.85	1.85	1.85	2.59	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
25+25+25+25+42	1.76	1.76	1.76	1.76	2.96	10.00 (3.90 - 11.00)	2.960 (0.780 - 3.415)	13.00	99
25+25+25+25+50	1.67	1.67	1.67	1.67	3.33	10.00 (3.90 - 11.00)	2.950 (0.780 - 3.405)	12.96	99
25+25+25+25+60	1.56	1.56	1.56	1.56	3.75	10.00 (3.90 - 11.00)	2.920 (0.780 - 3.395)	12.82	99
25+25+25+25+71	1.46	1.46	1.46	1.46	4.15	10.00 (3.90 - 11.00)	2.900 (0.780 - 3.385)	12.74	99
25+25+25+33+33	1.77	1.77	1.77	2.34	2.34	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
25+25+25+33+35	1.75	1.75	1.75	2.31	2.45	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
25+25+25+33+42	1.67	1.67	1.67	2.20	2.80	10.00 (3.90 - 11.00)	2.960 (0.780 - 3.415)	13.00	99
25+25+25+33+50	1.58	1.58	1.58	2.09	3.16	10.00 (3.90 - 11.00)	2.950 (0.780 - 3.405)	12.96	99
25+25+25+33+60	1.49	1.49	1.49	1.96	3.57	10.00 (3.90 - 11.00)	2.920 (0.780 - 3.395)	12.82	99
25+25+25+35+35	1.72	1.72	1.72	2.41	2.41	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
25+25+25+35+42	1.64	1.64	1.64	2.30	2.76	10.00 (3.90 - 11.00)	2.960 (0.780 - 3.415)	13.00	99
25+25+25+35+50	1.56	1.56	1.56	2.19	3.13	10.00 (3.90 - 11.00)	2.950 (0.780 - 3.405)	12.96	99
25+25+25+35+60	1.47	1.47	1.47	2.06	3.53	10.00 (3.90 - 11.00)	2.920 (0.780 - 3.395)	12.82	99
25+25+25+42+42	1.57	1.57	1.57	2.64	2.64	10.00 (3.90 - 11.00)	2.940 (0.780 - 3.405)	12.91	99
25+25+25+42+50	1.50	1.50	1.50	2.51	2.99	10.00 (3.90 - 11.00)	2.930 (0.780 - 3.395)	12.87	99
25+25+33+33+33	1.68	1.68	2.21	2.21	2.21	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
25+25+33+33+35	1.66	1.66	2.19	2.19	2.32	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
25+25+33+33+42	1.58	1.58	2.09	2.09	2.66	10.00 (3.90 - 11.00)	2.960 (0.780 - 3.415)	13.00	99
25+25+33+33+50	1.51	1.51	1.99	1.99	3.01	10.00 (3.90 - 11.00)	2.950 (0.780 - 3.405)	12.96	99
25+25+33+35+35	1.63	1.63	2.16	2.29	2.29	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
25+25+33+35+42	1.56	1.56	2.06	2.19	2.63	10.00 (3.90 - 11.00)	2.960 (0.780 - 3.415)	13.00	99
25+25+33+35+50	1.49	1.49	1.96	2.08	2.98	10.00 (3.90 - 11.00)	2.950 (0.780 - 3.405)	12.96	99
25+25+33+42+42	1.50	1.50	1.98	2.51	2.51	10.00 (3.90 - 11.00)	2.940 (0.780 - 3.405)	12.91	99
25+25+35+35+35	1.61	1.61	2.26	2.26	2.26	10.00 (3.90 - 11.00)	2.980 (0.780 - 3.425)	13.09	99
25+25+35+35+42	1.54	1.54	2.16	2.16	2.59	10.00 (3.90 - 11.00)	2.960 (0.780 - 3.415)	13.00	99
25+25+35+35+50	1.47	1.47	2.06	2.06	2.94	10.00 (3.90 - 11.00)	2.950 (0.780 - 3.405)	12.96	99
25+25+35+42+42	1.48	1.48	2.07	2.49	2.49	10.00 (3.90 - 11.00)	2.940 (0.780 - 3.405)	12.91	99

MXZ-5D100VA HEATING

Indoor units combination	Heating capacity (kW)						Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Unit E	Total			
22	3.30	-	-	-	-	3.30 (1.20 - 4.20)	0.890 (0.340 - 1.590)	3.91	99
25	3.60	-	-	-	-	3.60 (1.20 - 4.50)	0.990 (0.340 - 1.740)	4.35	99
33	3.60	-	-	-	-	3.60 (1.20 - 4.50)	0.990 (0.340 - 1.740)	4.35	99
35	4.00	-	-	-	-	4.00 (1.20 - 5.50)	1.140 (0.330 - 1.810)	5.01	99
42	5.40	-	-	-	-	5.40 (1.30 - 6.50)	1.610 (0.330 - 2.260)	7.07	99
50	7.20	-	-	-	-	7.20 (1.40 - 7.70)	2.270 (0.330 - 2.710)	9.97	99
60	7.90	-	-	-	-	7.90 (1.40 - 8.60)	2.270 (0.330 - 3.060)	9.97	99
71	8.60	-	-	-	-	8.60 (1.60 - 9.20)	2.410 (0.360 - 3.520)	10.58	99
22+22	3.30	3.30	-	-	-	6.60 (1.80 - 7.20)	1.570 (0.480 - 2.760)	6.90	99
22+25	3.23	3.67	-	-	-	6.90 (1.80 - 8.00)	1.670 (0.480 - 2.950)	7.33	99
22+33	2.96	4.44	-	-	-	7.40 (1.80 - 9.20)	1.840 (0.480 - 3.190)	8.08	99
22+35	2.89	4.61	-	-	-	7.50 (1.80 - 9.30)	1.880 (0.480 - 3.200)	8.26	99
22+42	2.68	5.12	-	-	-	7.80 (1.80 - 9.70)	1.990 (0.480 - 3.230)	8.74	99
22+50	2.57	5.83	-	-	-	8.40 (1.80 - 10.00)	2.210 (0.480 - 3.290)	9.71	99
22+60	2.36	6.44	-	-	-	8.80 (1.80 - 10.80)	2.370 (0.480 - 3.520)	10.41	99
22+71	2.08	6.72	-	-	-	8.80 (1.80 - 11.50)	2.370 (0.460 - 3.690)	10.41	99
25+25	3.60	3.60	-	-	-	7.20 (1.80 - 8.80)	1.760 (0.480 - 3.140)	7.73	99
25+33	3.23	4.27	-	-	-	7.50 (1.80 - 9.30)	1.880 (0.480 - 3.200)	8.26	99
25+35	3.17	4.43	-	-	-	7.60 (1.80 - 9.50)	1.920 (0.480 - 3.230)	8.43	99
25+42	2.95	4.95	-	-	-	7.90 (1.80 - 9.70)	2.020 (0.480 - 3.230)	8.87	99
25+50	2.93	5.87	-	-	-	8.80 (1.80 - 10.20)	2.370 (0.480 - 3.350)	10.41	99
25+60	2.59	6.21	-	-	-	8.80 (1.80 - 11.10)	2.370 (0.460 - 3.600)	10.41	99
25+71	2.29	6.51	-	-	-	8.80 (1.80 - 11.70)	2.370 (0.460 - 3.730)	10.41	99
33+33	4.00	4.00	-	-	-	8.00 (1.80 - 9.80)	2.060 (0.480 - 3.260)	9.05	99
33+35	3.93	4.17	-	-	-	8.10 (1.80 - 9.80)	2.100 (0.480 - 3.260)	9.22	99
33+42	3.87	4.93	-	-	-	8.80 (1.80 - 10.20)	2.370 (0.480 - 3.350)	10.41	99
33+50	3.50	5.30	-	-	-	8.80 (1.80 - 10.90)	2.370 (0.480 - 3.540)	10.41	99
33+60	3.12	5.68	-	-	-	8.80 (1.80 - 11.50)	2.370 (0.460 - 3.690)	10.41	99
33+71	2.79	6.01	-	-	-	8.80 (1.90 - 11.90)	2.370 (0.440 - 3.770)	10.41	99
35+35	4.00	4.00	-	-	-	8.00 (1.80 - 9.80)	2.050 (0.480 - 3.230)	9.00	99
35+42	4.00	4.80	-	-	-	8.80 (1.80 - 10.40)	2.370 (0.480 - 3.410)	10.41	99
35+50	3.62	5.18	-	-	-	8.80 (1.80 - 11.10)	2.370 (0.460 - 3.600)	10.41	99
35+60	3.24	5.56	-	-	-	8.80 (1.80 - 11.60)	2.370 (0.460 - 3.710)	10.41	99
35+71	2.91	5.89	-	-	-	8.80 (1.90 - 11.90)	2.370 (0.440 - 3.770)	10.41	99
42+42	4.40	4.40	-	-	-	8.80 (1.80 - 11.00)	2.370 (0.460 - 3.580)	10.41	99
42+50	4.02	4.78	-	-	-	8.80 (1.80 - 11.50)	2.370 (0.460 - 3.690)	10.41	99
42+60	3.62	5.18	-	-	-	8.80 (1.90 - 11.90)	2.370 (0.440 - 3.770)	10.41	99
42+71	3.27	5.53	-	-	-	8.80 (1.90 - 12.00)	2.370 (0.440 - 3.870)	10.41	99
50+50	4.40	4.40	-	-	-	8.80 (1.90 - 11.90)	2.370 (0.440 - 3.770)	10.41	99
50+60	4.00	4.80	-	-	-	8.80 (1.90 - 12.00)	2.370 (0.440 - 3.870)	10.41	99
50+71	3.64	5.16	-	-	-	8.80 (1.90 - 12.00)	2.370 (0.440 - 3.870)	10.41	99

MXZ-5D100VA HEATING

Indoor units combination	Heating capacity (kW)						Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Unit E	Total			
60+60	4.40	4.40	-	-	-	8.80 (1.90 - 12.00)	2.370 (0.440 - 3.870)	10.41	99
60+71	4.03	4.77	-	-	-	8.80 (1.90 - 12.10)	2.370 (0.440 - 3.920)	10.41	99
71+71	4.40	4.40	-	-	-	8.80 (1.90 - 12.20)	2.370 (0.440 - 3.960)	10.41	99
22+22+22	2.90	2.90	2.90	-	-	8.70 (2.60 - 10.60)	1.950 (0.530 - 3.060)	8.56	99
22+22+25	2.81	2.81	3.19	-	-	8.80 (2.60 - 11.30)	1.980 (0.530 - 3.300)	8.70	99
22+22+33	2.57	2.57	3.86	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.750)	8.92	99
22+22+35	2.51	2.51	3.99	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.740)	8.92	99
22+22+42	2.30	2.30	4.40	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.690)	8.92	99
22+22+50	2.11	2.11	4.79	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.650)	8.92	99
22+22+60	1.90	1.90	5.19	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.630)	8.92	99
22+22+71	1.72	1.72	5.56	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.500)	8.92	99
22+25+25	2.72	3.09	3.09	-	-	8.90 (2.60 - 11.90)	2.000 (0.530 - 3.510)	8.78	99
22+25+33	2.48	2.81	3.71	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.740)	8.92	99
22+25+35	2.41	2.74	3.84	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.740)	8.92	99
22+25+42	2.22	2.53	4.25	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.690)	8.92	99
22+25+50	2.04	2.32	4.64	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.640)	8.92	99
22+25+60	1.85	2.10	5.05	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.600)	8.92	99
22+25+71	1.68	1.91	5.42	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.460)	8.92	99
22+33+33	2.25	3.38	3.38	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.730)	8.92	99
22+33+35	2.20	3.30	3.50	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.730)	8.92	99
22+33+42	2.04	3.06	3.90	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.670)	8.92	99
22+33+50	1.89	2.83	4.29	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.630)	8.92	99
22+33+60	1.72	2.58	4.70	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.500)	8.92	99
22+33+71	1.57	2.36	5.07	-	-	9.00 (2.70 - 12.60)	2.030 (0.510 - 3.360)	8.92	99
22+35+35	2.15	3.42	3.42	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.720)	8.92	99
22+35+42	2.00	3.18	3.82	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.670)	8.92	99
22+35+50	1.85	2.94	4.21	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.600)	8.92	99
22+35+60	1.69	2.69	4.62	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.480)	8.92	99
22+35+71	1.55	2.46	4.99	-	-	9.00 (2.70 - 12.60)	2.030 (0.510 - 3.350)	8.92	99
22+42+42	1.87	3.57	3.57	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.610)	8.92	99
22+42+50	1.74	3.32	3.95	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.470)	8.92	99
22+42+60	1.60	3.05	4.35	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.350)	8.92	99
22+42+71	1.47	2.80	4.73	-	-	9.00 (2.70 - 12.60)	2.030 (0.510 - 3.250)	8.92	99
22+50+50	1.62	3.69	3.69	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.340)	8.92	99
22+50+60	1.50	3.41	4.09	-	-	9.00 (2.70 - 12.60)	2.030 (0.510 - 3.250)	8.92	99
22+50+71	1.38	3.15	4.47	-	-	9.00 (2.70 - 12.60)	2.030 (0.510 - 3.160)	8.92	99
22+60+60	1.39	3.80	3.80	-	-	9.00 (2.70 - 12.60)	2.030 (0.510 - 3.170)	8.92	99
22+60+71	1.29	3.53	4.18	-	-	9.00 (2.70 - 12.60)	2.030 (0.490 - 3.110)	8.92	99
25+25+25	3.00	3.00	3.00	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.750)	8.92	99
25+25+33	2.71	2.71	3.58	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.740)	8.92	99
25+25+35	2.65	2.65	3.71	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.730)	8.92	99

MXZ-5D100VA HEATING

Indoor units combination	Heating capacity (kW)						Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Unit E	Total			
25+25+42	2.45	2.45	4.11	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.680)	8.92	99
25+25+50	2.25	2.25	4.50	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.640)	8.92	99
25+25+60	2.05	2.05	4.91	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.570)	8.92	99
25+25+71	1.86	1.86	5.28	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.420)	8.92	99
25+33+33	2.47	3.26	3.26	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.720)	8.92	99
25+33+35	2.42	3.19	3.39	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.720)	8.92	99
25+33+42	2.25	2.97	3.78	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.670)	8.92	99
25+33+50	2.08	2.75	4.17	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.590)	8.92	99
25+33+60	1.91	2.52	4.58	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.460)	8.92	99
25+33+71	1.74	2.30	4.95	-	-	9.00 (2.70 - 12.60)	2.030 (0.510 - 3.340)	8.92	99
25+35+35	2.37	3.32	3.32	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.720)	8.92	99
25+35+42	2.21	3.09	3.71	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.670)	8.92	99
25+35+50	2.05	2.86	4.09	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.570)	8.92	99
25+35+60	1.88	2.63	4.50	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.440)	8.92	99
25+35+71	1.72	2.40	4.88	-	-	9.00 (2.70 - 12.60)	2.030 (0.510 - 3.320)	8.92	99
25+42+42	2.06	3.47	3.47	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.570)	8.92	99
25+42+50	1.92	3.23	3.85	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.440)	8.92	99
25+42+60	1.77	2.98	4.25	-	-	9.00 (2.70 - 12.60)	2.030 (0.510 - 3.310)	8.92	99
25+42+71	1.63	2.74	4.63	-	-	9.00 (2.70 - 12.60)	2.030 (0.510 - 3.230)	8.92	99
25+50+50	1.80	3.60	3.60	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.300)	8.92	99
25+50+60	1.67	3.33	4.00	-	-	9.00 (2.70 - 12.60)	2.030 (0.510 - 3.220)	8.92	99
25+50+71	1.54	3.08	4.38	-	-	9.00 (2.70 - 12.60)	2.030 (0.510 - 3.140)	8.92	99
25+60+60	1.55	3.72	3.72	-	-	9.00 (2.70 - 12.60)	2.030 (0.510 - 3.150)	8.92	99
25+60+71	1.44	3.46	4.10	-	-	9.00 (2.70 - 12.60)	2.030 (0.490 - 3.110)	8.92	99
33+33+33	3.00	3.00	3.00	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.710)	8.92	99
33+33+35	2.94	2.94	3.12	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.710)	8.92	99
33+33+42	2.75	2.75	3.50	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.620)	8.92	99
33+33+50	2.56	2.56	3.88	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.490)	8.92	99
33+33+60	2.36	2.36	4.29	-	-	9.00 (2.70 - 12.60)	2.030 (0.510 - 3.360)	8.92	99
33+33+71	2.17	2.17	4.66	-	-	9.00 (2.70 - 12.60)	2.030 (0.510 - 3.280)	8.92	99
33+35+35	2.88	3.06	3.06	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.700)	8.92	99
33+35+42	2.70	2.86	3.44	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.600)	8.92	99
33+35+50	2.52	2.67	3.81	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.460)	8.92	99
33+35+60	2.32	2.46	4.22	-	-	9.00 (2.70 - 12.60)	2.030 (0.510 - 3.350)	8.92	99
33+35+71	2.14	2.27	4.60	-	-	9.00 (2.70 - 12.60)	2.030 (0.510 - 3.270)	8.92	99
33+42+42	2.54	3.23	3.23	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.470)	8.92	99
33+42+50	2.38	3.02	3.60	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.330)	8.92	99
33+42+60	2.20	2.80	4.00	-	-	9.00 (2.70 - 12.60)	2.030 (0.510 - 3.250)	8.92	99
33+42+71	2.03	2.59	4.38	-	-	9.00 (2.70 - 12.60)	2.030 (0.510 - 3.170)	8.92	99
33+50+50	2.23	3.38	3.38	-	-	9.00 (2.70 - 12.60)	2.030 (0.510 - 3.240)	8.92	99
33+50+60	2.08	3.15	3.78	-	-	9.00 (2.70 - 12.60)	2.030 (0.510 - 3.160)	8.92	99

MXZ-5D100VA HEATING

Indoor units combination	Heating capacity (kW)						Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Unit E	Total			
33+50+71	1.93	2.92	4.15	-	-	9.00 (2.70 - 12.60)	2.030 (0.490 - 3.110)	8.92	99
33+60+60	1.94	3.53	3.53	-	-	9.00 (2.70 - 12.60)	2.030 (0.490 - 3.110)	8.92	99
33+60+71	1.81	3.29	3.90	-	-	9.00 (2.70 - 12.60)	2.030 (0.490 - 3.110)	8.92	99
35+35+35	3.00	3.00	3.00	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.700)	8.92	99
35+35+42	2.81	2.81	3.38	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.570)	8.92	99
35+35+50	2.63	2.63	3.75	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.440)	8.92	99
35+35+60	2.42	2.42	4.15	-	-	9.00 (2.70 - 12.60)	2.030 (0.510 - 3.330)	8.92	99
35+35+71	2.23	2.23	4.53	-	-	9.00 (2.70 - 12.60)	2.030 (0.510 - 3.250)	8.92	99
35+42+42	2.65	3.18	3.18	-	-	9.00 (2.60 - 12.60)	2.030 (0.530 - 3.440)	8.92	99
35+42+50	2.48	2.98	3.54	-	-	9.00 (2.70 - 12.60)	2.030 (0.510 - 3.310)	8.92	99
35+42+60	2.30	2.76	3.94	-	-	9.00 (2.70 - 12.60)	2.030 (0.510 - 3.240)	8.92	99
35+42+71	2.13	2.55	4.32	-	-	9.00 (2.70 - 12.60)	2.030 (0.510 - 3.160)	8.92	99
35+50+50	2.33	3.33	3.33	-	-	9.00 (2.70 - 12.60)	2.030 (0.510 - 3.220)	8.92	99
35+50+60	2.17	3.10	3.72	-	-	9.00 (2.70 - 12.60)	2.030 (0.510 - 3.150)	8.92	99
35+50+71	2.02	2.88	4.10	-	-	9.00 (2.70 - 12.60)	2.030 (0.490 - 3.110)	8.92	99
35+60+60	2.03	3.48	3.48	-	-	9.00 (2.70 - 12.60)	2.030 (0.490 - 3.110)	8.92	99
35+60+71	1.90	3.25	3.85	-	-	9.00 (2.70 - 12.60)	2.030 (0.490 - 3.110)	8.92	99
42+42+42	3.00	3.00	3.00	-	-	9.00 (2.70 - 12.60)	2.030 (0.510 - 3.430)	8.92	99
42+42+50	2.82	2.82	3.36	-	-	9.00 (2.70 - 12.60)	2.030 (0.510 - 3.220)	8.92	99
42+42+60	2.63	2.63	3.75	-	-	9.00 (2.70 - 12.60)	2.030 (0.510 - 3.150)	8.92	99
42+42+71	2.44	2.44	4.12	-	-	9.00 (2.70 - 12.60)	2.030 (0.490 - 3.100)	8.92	99
42+50+50	2.66	3.17	3.17	-	-	9.00 (2.70 - 12.60)	2.030 (0.510 - 3.130)	8.92	99
42+50+60	2.49	2.96	3.55	-	-	9.00 (2.70 - 12.60)	2.030 (0.490 - 3.070)	8.92	99
42+50+71	2.32	2.76	3.92	-	-	9.00 (2.70 - 12.60)	2.030 (0.490 - 3.070)	8.92	99
42+60+60	2.33	3.33	3.33	-	-	9.00 (2.70 - 12.60)	2.030 (0.490 - 3.070)	8.92	99
50+50+50	3.00	3.00	3.00	-	-	9.00 (2.70 - 12.60)	2.030 (0.490 - 3.250)	8.92	99
50+50+60	2.81	2.81	3.38	-	-	9.00 (2.70 - 12.60)	2.030 (0.490 - 3.040)	8.92	99
50+50+71	2.63	2.63	3.74	-	-	9.00 (2.70 - 12.60)	2.030 (0.490 - 3.040)	8.92	99
22+22+22+22	2.25	2.25	2.25	2.25	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
22+22+22+25	2.18	2.18	2.18	2.47	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
22+22+22+33	2.00	2.00	2.00	3.00	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
22+22+22+35	1.96	1.96	1.96	3.12	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
22+22+22+42	1.83	1.83	1.83	3.50	-	9.00 (3.40 - 13.30)	2.100 (0.590 - 3.860)	9.22	99
22+22+22+50	1.71	1.71	1.71	3.88	-	9.00 (3.40 - 13.30)	2.090 (0.590 - 3.870)	9.18	99
22+22+22+60	1.57	1.57	1.57	4.29	-	9.00 (3.40 - 13.30)	2.060 (0.590 - 3.870)	9.05	99
22+22+22+71	1.45	1.45	1.45	4.66	-	9.00 (3.40 - 13.30)	2.040 (0.590 - 3.870)	8.96	99
22+22+25+25	2.11	2.11	2.39	2.39	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
22+22+25+33	1.94	1.94	2.21	2.91	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
22+22+25+35	1.90	1.90	2.16	3.03	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
22+22+25+42	1.78	1.78	2.03	3.41	-	9.00 (3.40 - 13.30)	2.100 (0.590 - 3.860)	9.22	99
22+22+25+50	1.66	1.66	1.89	3.78	-	9.00 (3.40 - 13.30)	2.090 (0.590 - 3.870)	9.18	99

MXZ-5D100VA HEATING

Indoor units combination	Heating capacity (kW)						Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Unit E	Total			
22+22+25+60	1.53	1.53	1.74	4.19	-	9.00 (3.40 - 13.30)	2.060 (0.590 - 3.870)	9.05	99
22+22+25+71	1.41	1.41	1.61	4.56	-	9.00 (3.40 - 13.30)	2.040 (0.590 - 3.870)	8.96	99
22+22+33+33	1.80	1.80	2.70	2.70	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
22+22+33+35	1.77	1.77	2.65	2.81	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
22+22+33+42	1.66	1.66	2.50	3.18	-	9.00 (3.40 - 13.30)	2.100 (0.590 - 3.860)	9.22	99
22+22+33+50	1.56	1.56	2.34	3.54	-	9.00 (3.40 - 13.30)	2.090 (0.590 - 3.870)	9.18	99
22+22+33+60	1.45	1.45	2.17	3.94	-	9.00 (3.40 - 13.30)	2.060 (0.590 - 3.870)	9.05	99
22+22+33+71	1.34	1.34	2.01	4.32	-	9.00 (3.40 - 13.30)	2.040 (0.590 - 3.860)	8.96	99
22+22+35+35	1.74	1.74	2.76	2.76	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
22+22+35+42	1.64	1.64	2.60	3.12	-	9.00 (3.40 - 13.30)	2.100 (0.590 - 3.860)	9.22	99
22+22+35+50	1.53	1.53	2.44	3.49	-	9.00 (3.40 - 13.30)	2.090 (0.590 - 3.870)	9.18	99
22+22+35+60	1.42	1.42	2.27	3.88	-	9.00 (3.40 - 13.30)	2.060 (0.590 - 3.870)	9.05	99
22+22+35+71	1.32	1.32	2.10	4.26	-	9.00 (3.40 - 13.30)	2.040 (0.590 - 3.860)	8.96	99
22+22+42+42	1.55	1.55	2.95	2.95	-	9.00 (3.40 - 13.30)	2.080 (0.590 - 3.820)	9.13	99
22+22+42+50	1.46	1.46	2.78	3.31	-	9.00 (3.40 - 13.30)	2.070 (0.590 - 3.830)	9.09	99
22+22+42+60	1.36	1.36	2.59	3.70	-	9.00 (3.40 - 13.30)	2.040 (0.590 - 3.830)	8.96	99
22+22+42+71	1.26	1.26	2.41	4.07	-	9.00 (3.40 - 13.30)	2.020 (0.590 - 3.820)	8.87	99
22+22+50+50	1.38	1.38	3.13	3.13	-	9.00 (3.40 - 13.30)	2.060 (0.590 - 3.840)	9.05	99
22+22+50+60	1.29	1.29	2.92	3.51	-	9.00 (3.40 - 13.30)	2.030 (0.590 - 3.830)	8.92	99
22+22+50+71	1.20	1.20	2.73	3.87	-	9.00 (3.40 - 13.30)	2.010 (0.590 - 3.820)	8.83	99
22+25+25+25	2.04	2.32	2.32	2.32	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
22+25+25+33	1.89	2.14	2.14	2.83	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
22+25+25+35	1.85	2.10	2.10	2.94	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
22+25+25+42	1.74	1.97	1.97	3.32	-	9.00 (3.40 - 13.30)	2.100 (0.590 - 3.860)	9.22	99
22+25+25+50	1.62	1.84	1.84	3.69	-	9.00 (3.40 - 13.30)	2.090 (0.590 - 3.870)	9.18	99
22+25+25+60	1.50	1.70	1.70	4.09	-	9.00 (3.40 - 13.30)	2.060 (0.590 - 3.870)	9.05	99
22+25+25+71	1.38	1.57	1.57	4.47	-	9.00 (3.40 - 13.30)	2.040 (0.590 - 3.870)	8.96	99
22+25+33+33	1.75	1.99	2.63	2.63	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
22+25+33+35	1.72	1.96	2.58	2.74	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
22+25+33+42	1.62	1.84	2.43	3.10	-	9.00 (3.40 - 13.30)	2.100 (0.590 - 3.860)	9.22	99
22+25+33+50	1.52	1.73	2.28	3.46	-	9.00 (3.40 - 13.30)	2.090 (0.590 - 3.870)	9.18	99
22+25+33+60	1.41	1.61	2.12	3.86	-	9.00 (3.40 - 13.30)	2.060 (0.590 - 3.870)	9.05	99
22+25+33+71	1.31	1.49	1.97	4.23	-	9.00 (3.40 - 13.30)	2.040 (0.590 - 3.860)	8.96	99
22+25+35+35	1.69	1.92	2.69	2.69	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
22+25+35+42	1.60	1.81	2.54	3.05	-	9.00 (3.40 - 13.30)	2.100 (0.590 - 3.860)	9.22	99
22+25+35+50	1.50	1.70	2.39	3.41	-	9.00 (3.40 - 13.30)	2.090 (0.590 - 3.870)	9.18	99
22+25+35+60	1.39	1.58	2.22	3.80	-	9.00 (3.40 - 13.30)	2.060 (0.590 - 3.870)	9.05	99
22+25+35+71	1.29	1.47	2.06	4.18	-	9.00 (3.40 - 13.30)	2.040 (0.590 - 3.860)	8.96	99
22+25+42+42	1.51	1.72	2.89	2.89	-	9.00 (3.40 - 13.30)	2.080 (0.590 - 3.820)	9.13	99
22+25+42+50	1.42	1.62	2.72	3.24	-	9.00 (3.40 - 13.30)	2.070 (0.590 - 3.830)	9.09	99
22+25+42+60	1.33	1.51	2.54	3.62	-	9.00 (3.40 - 13.30)	2.040 (0.590 - 3.820)	8.96	99

MXZ-5D100VA HEATING

Indoor units combination	Heating capacity (kW)						Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Unit E	Total			
22+25+42+71	1.24	1.41	2.36	3.99	-	9.00 (3.40 - 13.30)	2.020 (0.590 - 3.820)	8.87	99
22+25+50+50	1.35	1.53	3.06	3.06	-	9.00 (3.40 - 13.30)	2.060 (0.590 - 3.840)	9.05	99
22+25+50+60	1.26	1.43	2.87	3.44	-	9.00 (3.40 - 13.30)	2.030 (0.590 - 3.830)	8.92	99
22+25+50+71	1.18	1.34	2.68	3.80	-	9.00 (3.50 - 13.30)	2.010 (0.580 - 3.820)	8.83	99
22+33+33+33	1.64	2.45	2.45	2.45	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
22+33+33+35	1.61	2.41	2.41	2.56	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
22+33+33+42	1.52	2.28	2.28	2.91	-	9.00 (3.40 - 13.30)	2.100 (0.590 - 3.860)	9.22	99
22+33+33+50	1.43	2.15	2.15	3.26	-	9.00 (3.40 - 13.30)	2.090 (0.590 - 3.870)	9.18	99
22+33+33+60	1.34	2.01	2.01	3.65	-	9.00 (3.40 - 13.30)	2.060 (0.590 - 3.860)	9.05	99
22+33+33+71	1.25	1.87	1.87	4.02	-	9.00 (3.40 - 13.30)	2.040 (0.590 - 3.860)	8.96	99
22+33+35+35	1.58	2.38	2.52	2.52	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
22+33+35+42	1.50	2.25	2.39	2.86	-	9.00 (3.40 - 13.30)	2.100 (0.590 - 3.860)	9.22	99
22+33+35+50	1.41	2.12	2.25	3.21	-	9.00 (3.40 - 13.30)	2.090 (0.590 - 3.870)	9.18	99
22+33+35+60	1.32	1.98	2.10	3.60	-	9.00 (3.40 - 13.30)	2.060 (0.590 - 3.860)	9.05	99
22+33+35+71	1.23	1.84	1.96	3.97	-	9.00 (3.40 - 13.30)	2.040 (0.590 - 3.860)	8.96	99
22+33+42+42	1.42	2.14	2.72	2.72	-	9.00 (3.40 - 13.30)	2.080 (0.590 - 3.820)	9.13	99
22+33+42+50	1.35	2.02	2.57	3.06	-	9.00 (3.40 - 13.30)	2.070 (0.590 - 3.830)	9.09	99
22+33+42+60	1.26	1.89	2.41	3.44	-	9.00 (3.40 - 13.30)	2.040 (0.590 - 3.820)	8.96	99
22+33+42+71	1.18	1.77	2.25	3.80	-	9.00 (3.50 - 13.30)	2.020 (0.580 - 3.810)	8.87	99
22+33+50+50	1.28	1.92	2.90	2.90	-	9.00 (3.40 - 13.30)	2.060 (0.590 - 3.830)	9.05	99
22+33+50+60	1.20	1.80	2.73	3.27	-	9.00 (3.40 - 13.30)	2.030 (0.590 - 3.820)	8.92	99
22+35+35+35	1.56	2.48	2.48	2.48	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
22+35+35+42	1.48	2.35	2.35	2.82	-	9.00 (3.40 - 13.30)	2.100 (0.590 - 3.860)	9.22	99
22+35+35+50	1.39	2.22	2.22	3.17	-	9.00 (3.40 - 13.30)	2.090 (0.590 - 3.870)	9.18	99
22+35+35+60	1.30	2.07	2.07	3.55	-	9.00 (3.40 - 13.30)	2.060 (0.590 - 3.860)	9.05	99
22+35+35+71	1.21	1.93	1.93	3.92	-	9.00 (3.40 - 13.30)	2.040 (0.590 - 3.850)	8.96	99
22+35+42+42	1.40	2.23	2.68	2.68	-	9.00 (3.40 - 13.30)	2.080 (0.590 - 3.820)	9.13	99
22+35+42+50	1.33	2.11	2.54	3.02	-	9.00 (3.40 - 13.30)	2.070 (0.590 - 3.820)	9.09	99
22+35+42+60	1.25	1.98	2.38	3.40	-	9.00 (3.40 - 13.30)	2.040 (0.590 - 3.820)	8.96	99
22+35+42+71	1.16	1.85	2.22	3.76	-	9.00 (3.50 - 13.30)	2.020 (0.580 - 3.810)	8.87	99
22+35+50+50	1.26	2.01	2.87	2.87	-	9.00 (3.40 - 13.30)	2.060 (0.590 - 3.830)	9.05	99
22+35+50+60	1.19	1.89	2.69	3.23	-	9.00 (3.40 - 13.30)	2.030 (0.590 - 3.820)	8.92	99
22+42+42+42	1.34	2.55	2.55	2.55	-	9.00 (3.40 - 13.30)	2.060 (0.590 - 3.770)	9.05	99
22+42+42+50	1.27	2.42	2.42	2.88	-	9.00 (3.40 - 13.30)	2.050 (0.590 - 3.780)	9.00	99
22+42+42+60	1.19	2.28	2.28	3.25	-	9.00 (3.40 - 13.30)	2.020 (0.590 - 3.770)	8.87	99
22+42+50+50	1.21	2.30	2.74	2.74	-	9.00 (3.40 - 13.30)	2.040 (0.590 - 3.780)	8.96	99
25+25+25+25	2.25	2.25	2.25	2.25	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
25+25+25+33	2.08	2.08	2.08	2.75	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
25+25+25+35	2.05	2.05	2.05	2.86	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
25+25+25+42	1.92	1.92	1.92	3.23	-	9.00 (3.40 - 13.30)	2.100 (0.590 - 3.860)	9.22	99
25+25+25+50	1.80	1.80	1.80	3.60	-	9.00 (3.40 - 13.30)	2.090 (0.590 - 3.870)	9.18	99

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Indoor units combination	Heating capacity (kW)						Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Unit E	Total			
25+25+25+60	1.67	1.67	1.67	4.00	-	9.00 (3.40 - 13.30)	2.060 (0.590 - 3.870)	9.05	99
25+25+25+71	1.54	1.54	1.54	4.38	-	9.00 (3.40 - 13.30)	2.040 (0.590 - 3.870)	8.96	99
25+25+33+33	1.94	1.94	2.56	2.56	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
25+25+33+35	1.91	1.91	2.52	2.67	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
25+25+33+42	1.80	1.80	2.38	3.02	-	9.00 (3.40 - 13.30)	2.100 (0.590 - 3.860)	9.22	99
25+25+33+50	1.69	1.69	2.23	3.38	-	9.00 (3.40 - 13.30)	2.090 (0.590 - 3.870)	9.18	99
25+25+33+60	1.57	1.57	2.08	3.78	-	9.00 (3.40 - 13.30)	2.060 (0.590 - 3.870)	9.05	99
25+25+33+71	1.46	1.46	1.93	4.15	-	9.00 (3.40 - 13.30)	2.040 (0.590 - 3.860)	8.96	99
25+25+35+35	1.88	1.88	2.63	2.63	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
25+25+35+42	1.77	1.77	2.48	2.98	-	9.00 (3.40 - 13.30)	2.100 (0.590 - 3.860)	9.22	99
25+25+35+50	1.67	1.67	2.33	3.33	-	9.00 (3.40 - 13.30)	2.090 (0.590 - 3.870)	9.18	99
25+25+35+60	1.55	1.55	2.17	3.72	-	9.00 (3.40 - 13.30)	2.060 (0.590 - 3.870)	9.05	99
25+25+35+71	1.44	1.44	2.02	4.10	-	9.00 (3.40 - 13.30)	2.040 (0.590 - 3.860)	8.96	99
25+25+42+42	1.68	1.68	2.82	2.82	-	9.00 (3.40 - 13.30)	2.080 (0.590 - 3.820)	9.13	99
25+25+42+50	1.58	1.58	2.66	3.17	-	9.00 (3.40 - 13.30)	2.070 (0.590 - 3.830)	9.09	99
25+25+42+60	1.48	1.48	2.49	3.55	-	9.00 (3.40 - 13.30)	2.040 (0.590 - 3.820)	8.96	99
25+25+42+71	1.38	1.38	2.32	3.92	-	9.00 (3.40 - 13.30)	2.020 (0.590 - 3.810)	8.87	99
25+25+50+50	1.50	1.50	3.00	3.00	-	9.00 (3.40 - 13.30)	2.060 (0.590 - 3.830)	9.05	99
25+25+50+60	1.41	1.41	2.81	3.38	-	9.00 (3.40 - 13.30)	2.030 (0.590 - 3.830)	8.92	99
25+25+50+71	1.32	1.32	2.63	3.74	-	9.00 (3.50 - 13.30)	2.010 (0.580 - 3.820)	8.83	99
25+33+33+33	1.81	2.40	2.40	2.40	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
25+33+33+35	1.79	2.36	2.36	2.50	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
25+33+33+42	1.69	2.23	2.23	2.84	-	9.00 (3.40 - 13.30)	2.100 (0.590 - 3.860)	9.22	99
25+33+33+50	1.60	2.11	2.11	3.19	-	9.00 (3.40 - 13.30)	2.090 (0.590 - 3.870)	9.18	99
25+33+33+60	1.49	1.97	1.97	3.58	-	9.00 (3.40 - 13.30)	2.060 (0.590 - 3.860)	9.05	99
25+33+33+71	1.39	1.83	1.83	3.94	-	9.00 (3.40 - 13.30)	2.040 (0.590 - 3.850)	8.96	99
25+33+35+35	1.76	2.32	2.46	2.46	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
25+33+35+42	1.67	2.20	2.33	2.80	-	9.00 (3.40 - 13.30)	2.100 (0.590 - 3.860)	9.22	99
25+33+35+50	1.57	2.08	2.20	3.15	-	9.00 (3.40 - 13.30)	2.090 (0.590 - 3.870)	9.18	99
25+33+35+60	1.47	1.94	2.06	3.53	-	9.00 (3.40 - 13.30)	2.060 (0.590 - 3.860)	9.05	99
25+33+35+71	1.37	1.81	1.92	3.90	-	9.00 (3.40 - 13.30)	2.040 (0.590 - 3.850)	8.96	99
25+33+42+42	1.58	2.09	2.66	2.66	-	9.00 (3.40 - 13.30)	2.080 (0.590 - 3.820)	9.13	99
25+33+42+50	1.50	1.98	2.52	3.00	-	9.00 (3.40 - 13.30)	2.070 (0.590 - 3.820)	9.09	99
25+33+42+60	1.41	1.86	2.36	3.38	-	9.00 (3.40 - 13.30)	2.040 (0.590 - 3.820)	8.96	99
25+35+35+35	1.73	2.42	2.42	2.42	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
25+35+35+42	1.64	2.30	2.30	2.76	-	9.00 (3.40 - 13.30)	2.100 (0.590 - 3.860)	9.22	99
25+35+35+50	1.55	2.17	2.17	3.10	-	9.00 (3.40 - 13.30)	2.090 (0.590 - 3.870)	9.18	99
25+35+35+60	1.45	2.03	2.03	3.48	-	9.00 (3.40 - 13.30)	2.060 (0.590 - 3.860)	9.05	99
25+35+35+71	1.36	1.90	1.90	3.85	-	9.00 (3.40 - 13.30)	2.040 (0.590 - 3.850)	8.96	99
25+35+42+42	1.56	2.19	2.63	2.63	-	9.00 (3.40 - 13.30)	2.080 (0.590 - 3.820)	9.13	99
25+35+42+50	1.48	2.07	2.49	2.96	-	9.00 (3.40 - 13.30)	2.070 (0.590 - 3.820)	9.09	99

MXZ-5D100VA HEATING

Indoor units combination	Heating capacity (kW)						Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Unit E	Total			
25+35+42+60	1.39	1.94	2.33	3.33	-	9.00 (3.40 - 13.30)	2.040 (0.590 - 3.810)	8.96	99
25+42+42+42	1.49	2.50	2.50	2.50	-	9.00 (3.40 - 13.30)	2.060 (0.590 - 3.770)	9.05	99
25+42+42+50	1.42	2.38	2.38	2.83	-	9.00 (3.40 - 13.30)	2.050 (0.590 - 3.780)	9.00	99
25+42+42+60	1.33	2.24	2.24	3.20	-	9.00 (3.50 - 13.30)	2.020 (0.580 - 3.770)	8.87	99
25+42+50+50	1.35	2.26	2.69	2.69	-	9.00 (3.40 - 13.30)	2.040 (0.590 - 3.780)	8.96	99
33+33+33+33	2.25	2.25	2.25	2.25	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
33+33+33+35	2.22	2.22	2.22	2.35	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
33+33+33+42	2.11	2.11	2.11	2.68	-	9.00 (3.40 - 13.30)	2.100 (0.590 - 3.860)	9.22	99
33+33+33+50	1.99	1.99	1.99	3.02	-	9.00 (3.40 - 13.30)	2.090 (0.590 - 3.860)	9.18	99
33+33+33+60	1.87	1.87	1.87	3.40	-	9.00 (3.40 - 13.30)	2.060 (0.590 - 3.860)	9.05	99
33+33+35+35	2.18	2.18	2.32	2.32	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
33+33+35+42	2.08	2.08	2.20	2.64	-	9.00 (3.40 - 13.30)	2.100 (0.590 - 3.860)	9.22	99
33+33+35+50	1.97	1.97	2.09	2.98	-	9.00 (3.40 - 13.30)	2.090 (0.590 - 3.860)	9.18	99
33+33+35+60	1.84	1.84	1.96	3.35	-	9.00 (3.40 - 13.30)	2.060 (0.590 - 3.860)	9.05	99
33+33+42+42	1.98	1.98	2.52	2.52	-	9.00 (3.40 - 13.30)	2.080 (0.590 - 3.810)	9.13	99
33+33+42+50	1.88	1.88	2.39	2.85	-	9.00 (3.40 - 13.30)	2.070 (0.590 - 3.820)	9.09	99
33+35+35+35	2.15	2.28	2.28	2.28	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
33+35+35+42	2.05	2.17	2.17	2.61	-	9.00 (3.40 - 13.30)	2.100 (0.590 - 3.860)	9.22	99
33+35+35+50	1.94	2.06	2.06	2.94	-	9.00 (3.40 - 13.30)	2.090 (0.590 - 3.860)	9.18	99
33+35+35+60	1.82	1.93	1.93	3.31	-	9.00 (3.40 - 13.30)	2.060 (0.590 - 3.850)	9.05	99
33+35+42+42	1.95	2.07	2.49	2.49	-	9.00 (3.40 - 13.30)	2.080 (0.590 - 3.810)	9.13	99
33+35+42+50	1.86	1.97	2.36	2.81	-	9.00 (3.40 - 13.30)	2.070 (0.590 - 3.820)	9.09	99
33+42+42+42	1.87	2.38	2.38	2.38	-	9.00 (3.40 - 13.30)	2.060 (0.590 - 3.770)	9.05	99
33+42+42+50	1.78	2.26	2.26	2.69	-	9.00 (3.40 - 13.30)	2.050 (0.590 - 3.770)	9.00	99
35+35+35+35	2.25	2.25	2.25	2.25	-	9.00 (3.40 - 13.30)	2.120 (0.590 - 3.900)	9.31	99
35+35+35+42	2.14	2.14	2.14	2.57	-	9.00 (3.40 - 13.30)	2.100 (0.590 - 3.860)	9.22	99
35+35+35+50	2.03	2.03	2.03	2.90	-	9.00 (3.40 - 13.30)	2.090 (0.590 - 3.860)	9.18	99
35+35+35+60	1.91	1.91	1.91	3.27	-	9.00 (3.40 - 13.30)	2.060 (0.590 - 3.850)	9.05	99
35+35+42+42	2.05	2.05	2.45	2.45	-	9.00 (3.40 - 13.30)	2.080 (0.590 - 3.810)	9.13	99
35+35+42+50	1.94	1.94	2.33	2.78	-	9.00 (3.40 - 13.30)	2.070 (0.590 - 3.810)	9.09	99
35+42+42+42	1.96	2.35	2.35	2.35	-	9.00 (3.40 - 13.30)	2.060 (0.590 - 3.770)	9.05	99
35+42+42+50	1.86	2.24	2.24	2.66	-	9.00 (3.50 - 13.30)	2.050 (0.580 - 3.770)	9.00	99
42+42+42+42	2.25	2.25	2.25	2.25	-	9.00 (3.50 - 13.30)	2.120 (0.580 - 3.880)	9.31	99
22+22+22+22+22	2.00	2.00	2.00	2.00	2.00	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+22+22+25	1.95	1.95	1.95	1.95	2.21	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+22+22+33	1.82	1.82	1.82	1.82	2.73	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+22+22+35	1.79	1.79	1.79	1.79	2.85	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+22+22+42	1.69	1.69	1.69	1.69	3.23	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+22+22+50	1.59	1.59	1.59	1.59	3.62	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+22+22+60	1.49	1.49	1.49	1.49	4.05	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+22+22+71	1.38	1.38	1.38	1.38	4.47	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99

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Indoor units combination	Heating capacity (kW)						Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Unit E	Total			
22+22+22+25+25	1.90	1.90	1.90	2.16	2.16	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+22+25+33	1.77	1.77	1.77	2.02	2.66	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+22+25+35	1.75	1.75	1.75	1.98	2.78	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+22+25+42	1.65	1.65	1.65	1.88	3.16	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+22+25+50	1.56	1.56	1.56	1.77	3.55	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+22+25+60	1.46	1.46	1.46	1.66	3.97	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+22+25+71	1.36	1.36	1.36	1.54	4.38	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+22+33+33	1.67	1.67	1.67	2.50	2.50	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+22+33+35	1.64	1.64	1.64	2.46	2.61	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+22+33+42	1.56	1.56	1.56	2.34	2.98	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+22+33+50	1.48	1.48	1.48	2.21	3.36	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+22+33+60	1.38	1.38	1.38	2.08	3.77	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+22+33+71	1.29	1.29	1.29	1.94	4.18	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+22+35+35	1.62	1.62	1.62	2.57	2.57	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+22+35+42	1.54	1.54	1.54	2.45	2.94	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+22+35+50	1.46	1.46	1.46	2.32	3.31	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+22+35+60	1.37	1.37	1.37	2.17	3.73	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+22+35+71	1.28	1.28	1.28	2.03	4.13	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+22+42+42	1.47	1.47	1.47	2.80	2.80	10.00 (4.10 - 14.00)	2.495 (0.780 - 4.100)	10.96	99
22+22+22+42+50	1.39	1.39	1.39	2.66	3.16	10.00 (4.10 - 14.00)	2.495 (0.780 - 4.100)	10.96	99
22+22+22+42+60	1.31	1.31	1.31	2.50	3.57	10.00 (4.10 - 14.00)	2.495 (0.780 - 4.100)	10.96	99
22+22+25+25+25	1.85	1.85	2.10	2.10	2.10	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+25+25+33	1.73	1.73	1.97	1.97	2.60	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+25+25+35	1.71	1.71	1.94	1.94	2.71	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+25+25+42	1.62	1.62	1.84	1.84	3.09	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+25+25+50	1.53	1.53	1.74	1.74	3.47	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+25+25+60	1.43	1.43	1.62	1.62	3.90	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+25+25+71	1.33	1.33	1.52	1.52	4.30	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+25+33+33	1.63	1.63	1.85	2.44	2.44	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+25+33+35	1.61	1.61	1.82	2.41	2.55	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+25+33+42	1.53	1.53	1.74	2.29	2.92	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+25+33+50	1.45	1.45	1.64	2.17	3.29	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+25+33+60	1.36	1.36	1.54	2.04	3.70	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+25+35+35	1.58	1.58	1.80	2.52	2.52	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+25+35+42	1.51	1.51	1.71	2.40	2.88	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+25+35+50	1.43	1.43	1.62	2.27	3.25	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+25+35+60	1.34	1.34	1.52	2.13	3.66	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+25+42+42	1.44	1.44	1.63	2.75	2.75	10.00 (4.10 - 14.00)	2.495 (0.780 - 4.100)	10.96	99
22+22+25+42+50	1.37	1.37	1.55	2.61	3.11	10.00 (4.10 - 14.00)	2.495 (0.780 - 4.100)	10.96	99
22+22+25+42+60	1.29	1.29	1.46	2.46	3.51	10.00 (4.10 - 14.00)	2.495 (0.780 - 4.100)	10.96	99
22+22+33+33+33	1.54	1.54	2.31	2.31	2.31	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99

MXZ-5D100VA HEATING

Indoor units combination	Heating capacity (kW)						Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Unit E	Total			
22+22+33+33+35	1.52	1.52	2.28	2.28	2.41	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+33+33+42	1.45	1.45	2.17	2.17	2.76	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+33+33+50	1.38	1.38	2.06	2.06	3.13	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+33+35+35	1.50	1.50	2.24	2.38	2.38	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+33+35+42	1.43	1.43	2.14	2.27	2.73	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+33+35+50	1.36	1.36	2.04	2.16	3.09	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+33+42+42	1.37	1.37	2.05	2.61	2.61	10.00 (4.10 - 14.00)	2.495 (0.780 - 4.100)	10.96	99
22+22+33+42+50	1.30	1.30	1.95	2.49	2.96	10.00 (4.10 - 14.00)	2.495 (0.780 - 4.100)	10.96	99
22+22+35+35+35	1.48	1.48	2.35	2.35	2.35	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+35+35+42	1.41	1.41	2.24	2.24	2.69	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+35+35+50	1.34	1.34	2.13	2.13	3.05	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+22+35+42+42	1.35	1.35	2.15	2.58	2.58	10.00 (4.10 - 14.00)	2.495 (0.780 - 4.100)	10.96	99
22+22+35+42+50	1.29	1.29	2.05	2.46	2.92	10.00 (4.10 - 14.00)	2.495 (0.780 - 4.100)	10.96	99
22+22+42+42+42	1.29	1.29	2.47	2.47	2.47	10.00 (4.10 - 14.00)	2.475 (0.780 - 4.100)	10.87	99
22+25+25+25+25	1.80	2.05	2.05	2.05	2.05	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+25+25+25+33	1.69	1.92	1.92	1.92	2.54	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+25+25+25+35	1.67	1.89	1.89	1.89	2.65	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+25+25+25+42	1.58	1.80	1.80	1.80	3.02	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+25+25+25+50	1.50	1.70	1.70	1.70	3.40	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+25+25+25+60	1.40	1.59	1.59	1.59	3.82	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+25+25+25+71	1.31	1.49	1.49	1.49	4.23	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+25+25+33+33	1.59	1.81	1.81	2.39	2.39	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+25+25+33+35	1.57	1.79	1.79	2.36	2.50	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+25+25+33+42	1.50	1.70	1.70	2.24	2.86	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+25+25+33+50	1.42	1.61	1.61	2.13	3.23	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+25+25+33+60	1.33	1.52	1.52	2.00	3.64	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+25+25+35+35	1.55	1.76	1.76	2.46	2.46	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+25+25+35+42	1.48	1.68	1.68	2.35	2.82	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+25+25+35+50	1.40	1.59	1.59	2.23	3.18	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+25+25+35+60	1.32	1.50	1.50	2.10	3.59	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+25+25+42+42	1.41	1.60	1.60	2.69	2.69	10.00 (4.10 - 14.00)	2.495 (0.780 - 4.100)	10.96	99
22+25+25+42+50	1.34	1.52	1.52	2.56	3.05	10.00 (4.10 - 14.00)	2.495 (0.780 - 4.100)	10.96	99
22+25+33+33+33	1.51	1.71	2.26	2.26	2.26	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+25+33+33+35	1.49	1.69	2.23	2.23	2.36	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+25+33+33+42	1.42	1.61	2.13	2.13	2.71	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+25+33+33+50	1.35	1.53	2.02	2.02	3.07	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+25+33+35+35	1.47	1.67	2.20	2.33	2.33	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+25+33+35+42	1.40	1.59	2.10	2.23	2.68	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+25+33+35+50	1.33	1.52	2.00	2.12	3.03	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+25+33+42+42	1.34	1.52	2.01	2.56	2.56	10.00 (4.10 - 14.00)	2.495 (0.780 - 4.100)	10.96	99
22+25+35+35+35	1.45	1.64	2.30	2.30	2.30	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99

MXZ-5D100VA HEATING

Indoor units combination	Heating capacity (kW)						Outdoor unit power consumption(kW)	Current (A)	Power factor(%)
	Unit A	Unit B	Unit C	Unit D	Unit E	Total			
22+25+35+35+42	1.38	1.57	2.20	2.20	2.64	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+25+35+35+50	1.32	1.50	2.10	2.10	2.99	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+25+35+42+42	1.33	1.51	2.11	2.53	2.53	10.00 (4.10 - 14.00)	2.495 (0.780 - 4.100)	10.96	99
22+33+33+33+33	1.43	2.14	2.14	2.14	2.14	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+33+33+33+35	1.41	2.12	2.12	2.12	2.24	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+33+33+33+42	1.35	2.02	2.02	2.02	2.58	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+33+33+35+35	1.39	2.09	2.09	2.22	2.22	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+33+33+35+42	1.33	2.00	2.00	2.12	2.55	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+33+35+35+35	1.38	2.06	2.19	2.19	2.19	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+33+35+35+42	1.32	1.98	2.10	2.10	2.51	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+35+35+35+35	1.36	2.16	2.16	2.16	2.16	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
22+35+35+35+42	1.30	2.07	2.07	2.07	2.49	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
25+25+25+25+25	2.00	2.00	2.00	2.00	2.00	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
25+25+25+25+33	1.88	1.88	1.88	1.88	2.48	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
25+25+25+25+35	1.85	1.85	1.85	1.85	2.59	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
25+25+25+25+42	1.76	1.76	1.76	1.76	2.96	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
25+25+25+25+50	1.67	1.67	1.67	1.67	3.33	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
25+25+25+25+60	1.56	1.56	1.56	1.56	3.75	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
25+25+25+25+71	1.46	1.46	1.46	1.46	4.15	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
25+25+25+33+33	1.77	1.77	1.77	2.34	2.34	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
25+25+25+33+35	1.75	1.75	1.75	2.31	2.45	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
25+25+25+33+42	1.67	1.67	1.67	2.20	2.80	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
25+25+25+33+50	1.58	1.58	1.58	2.09	3.16	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
25+25+25+33+60	1.49	1.49	1.49	1.96	3.57	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
25+25+25+35+35	1.72	1.72	1.72	2.41	2.41	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
25+25+25+35+42	1.64	1.64	1.64	2.30	2.76	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
25+25+25+35+50	1.56	1.56	1.56	2.19	3.13	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
25+25+25+35+60	1.47	1.47	1.47	2.06	3.53	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
25+25+25+42+42	1.57	1.57	1.57	2.64	2.64	10.00 (4.10 - 14.00)	2.495 (0.780 - 4.100)	10.96	99
25+25+25+42+50	1.50	1.50	1.50	2.51	2.99	10.00 (4.10 - 14.00)	2.495 (0.780 - 4.100)	10.96	99
25+25+33+33+33	1.68	1.68	2.21	2.21	2.21	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
25+25+33+33+35	1.66	1.66	2.19	2.19	2.32	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
25+25+33+33+42	1.58	1.58	2.09	2.09	2.66	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
25+25+33+33+50	1.51	1.51	1.99	1.99	3.01	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
25+25+33+35+35	1.63	1.63	2.16	2.29	2.29	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
25+25+33+35+42	1.56	1.56	2.06	2.19	2.63	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
25+25+33+35+50	1.49	1.49	1.96	2.08	2.98	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
25+25+33+42+42	1.50	1.50	1.98	2.51	2.51	10.00 (4.10 - 14.00)	2.495 (0.780 - 4.100)	10.96	99
25+25+35+35+35	1.61	1.61	2.26	2.26	2.26	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
25+25+35+35+42	1.54	1.54	2.16	2.16	2.59	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
25+25+35+35+50	1.47	1.47	2.06	2.06	2.94	10.00 (4.10 - 14.00)	2.515 (0.780 - 4.100)	11.05	99
25+25+35+42+42	1.48	1.48	2.07	2.49	2.49	10.00 (4.10 - 14.00)	2.495 (0.780 - 4.100)	10.96	99